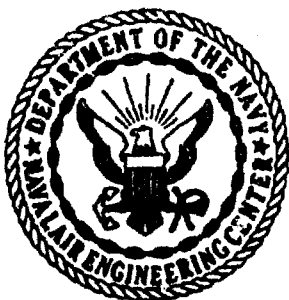


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NAVAL AIR ENGINEERING CENTER

REPORT NAEC-ENG-6703 - *REV-16*

COMPILATION OF DATA COVERING
AIRCRAFT SERVICING FACILITIES
ABOARD AVIATION AND AMPHIBIOUS
AVIATION SHIPS

REVISED - SEE BACK COVER

Ship Installations Engineering Department
Aircraft, Weapons, Ship, and VLA Division
Naval Air Engineering Center
Lakehurst, New Jersey 08733

~~29 July 1960~~

2 Oct 1980

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Prepared for
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a compilation of data covering aircraft servicing facilities aboard aviation and amphibious aviation ships. Data is furnished on aircraft servicing facilities relating to fueling and defueling, electrical starting and servicing, oxygen and nitrogen, aircraft inertial alignment, compressed air, and cooling and starting air.		

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1. INTRODUCTION

A. Military research and development create changes and innovations in military weapon systems concepts. The application of these changes and innovations tends to create many problems that must be resolved as quickly as possible to maintain optimum military effectiveness.

The aviation and amphibious aviation ships ability to perform its mission is dependent, to a high degree, on its capacity to effectively maintain and service its aircraft complement. To keep the aircraft in combat-ready condition and to enable the ship to efficiently perform its mission, it must be equipped with effective aircraft servicing facilities. These facilities are fueling and defueling, electrical starting and servicing, oxygen and nitrogen, aircraft inertial alignment and compressed air service.

B. To permit the user to better understand the complexity of the aircraft servicing systems found aboard aviation and amphibious aviation ships and to determine their effectiveness, a compilation of informative data was made and is presented herein. This compilation is based upon on-board surveys of these ships by NAVAIENGECEN (SI) personnel.

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II. SUMMARY

A. All data presented in this report is a result of the implementation of a computer graphics system. Utilizing this system allows for a more efficient means of storing and generating this data. Changes to the report can be made with less difficulty and be forwarded expediently while maintaining a high level of cost effectiveness.

B. This report has been organized to devote an individual chapter for each ship. Each chapter contains applicable tabular data with flight and hangar deck layouts in the following categories:

1. 400 Hz aircraft electrical service
2. 28.5 VDC aircraft start/service and 440 VAC support equipment service
3. Aviation fuel/defuel service (AV/GAS and JP-5)
4. Compressed air service
5. Combat readiness stations
6. Oxygen and Nitrogen service
7. Aircraft inertial alignment service
8. Aircraft starting and cooling air service

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USS CORAL SEA (CV 43)
USS FORRESTAL (CV 59)
USS SARATOGA (CV 60)
USS RANGER (CV 61)
USS INDEPENDENCE (CV 62)
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USS ENTERPRISE (CV(N) 65)
USS AMERICA (CV 66)
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USS CHESTER W. NIMITZ (CV(N) 68)
USS ONIGHT D. EISENHOWER (CV(N) 59)
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USS NEW ORLEANS (LPH 11)
USS INCHON (LPH 12)

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JUL 79
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JUL 80
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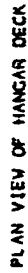
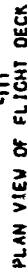
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15	Aircraft Cooling and Starting Air Outlet Summary	N/A
16	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - APRIL 1980

USS MIDWAY

400HZ AIRCRAFT SERVICE

SERVICE OUTLETS		FLT DK	HCR DK
1	400Hz 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2	400Hz 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE
3	400Hz 3PH, 115/200 VAC, 0.3KVA, Type I	NONE	NONE
4	400Hz 3PH, 115/200 VAC, 0.8KVA, Type III	29	0



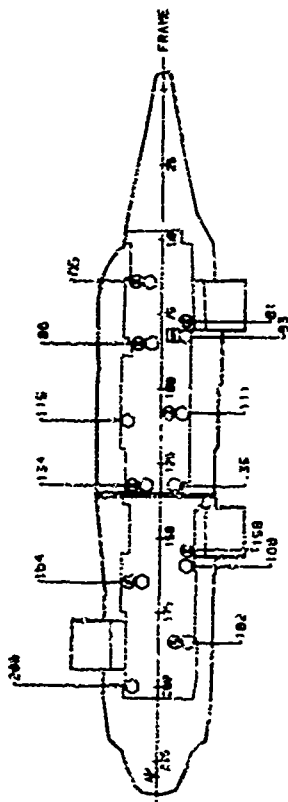
LEGEND
 ☐ - 60W, 2 1/2", 115/250VAC, 60MVA, TYPE 111
 ☐ - 60W, 2 1/2", 115/250VAC, 60MVA, TYPE 111

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

440 VAC SUPPORT EQUIPMENT SERVICE
28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT ON	WCR ON
1	440 VAC, 60Hz, 3PH, 25 AMP	18	11
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 120 AMP	4	8
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 080 to 940 A Inter	NONE	NONE
3	28 5 VDC, 600 AMP Cont, 080 to 120 A Inter	NONE	NONE
4	28 5 VDC, 800 AMP Cont, 080 to 1800 A Inter	2	1
5	28 5 VDC, 850 AMP Cont, 080 to 1800 A Inter	NONE	NONE

PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

0483A2 : 60MHZ : 3PH : 25AMP
0483V1C : 60MHZ : 3PH : 150AMP
0483N15C : 300AMP : 150V : 059-
UNCLASSIFIED

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MAIN: VEROI-850 LNU ADVONE 2515, 26 29

CV-41 USS MIDWAY

AVIATION FUEL SERVICE

JP-5

1 CAPACITY GAL 95K 1,150,057

2 SERVICE OUTLETS FLT DR 17
HCR OR 8

3 HOSES PER OUTLET 2

4 SERVICE OUTLET CAPACITY, GPM/PSI NOTE 1 200/45

5 TWO OUTLETS OPERATING 200/45

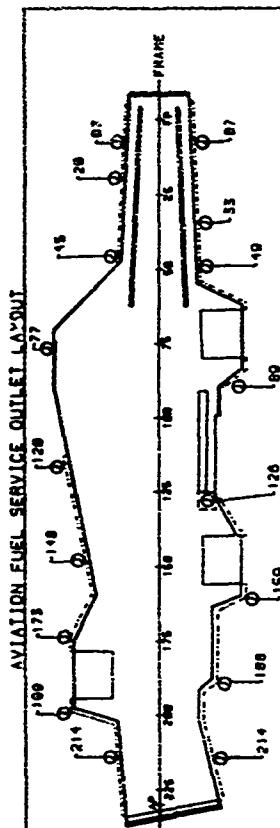
6 FOUR OUTLETS OPERATING 200/45

7 SIX OUTLETS OPERATING 200/45

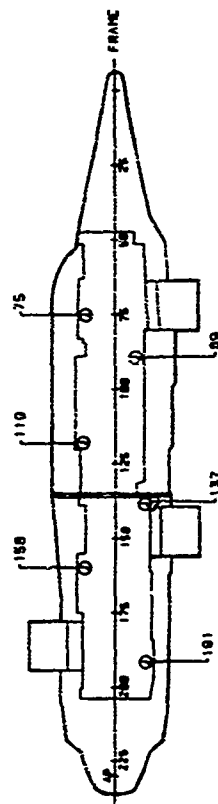
8 DEFUELING CAPACITY PER SERVICE OUTLET GPM 100

9 DEFUELING CAPACITY PER PORTABLE PUMP GPM (2) 25

NOTES
1 JP-5 2-1/2" HOSE



PLAN VIEW OF FLIGHT DECK

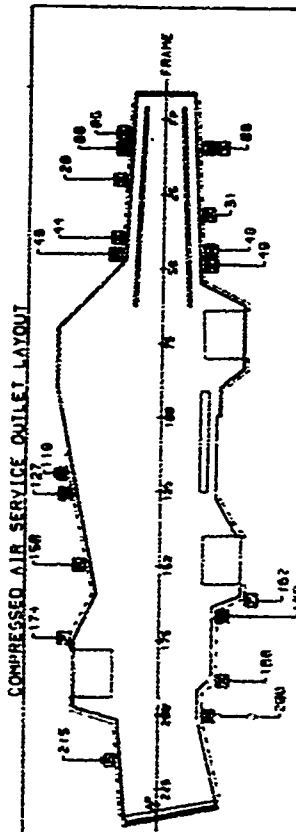


PLAN VIEW OF HANGAR DECK

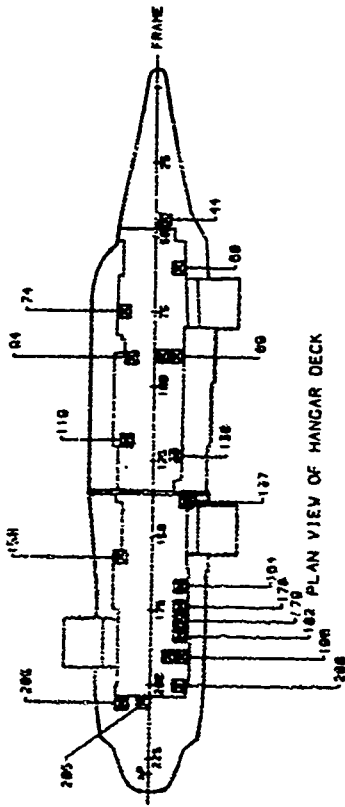
CV-41 USS MIDWAY

LEGEND
JP-6
11/14/69

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT DK	HCR DK	
1 SERVICE OUTLETS @ 100 PSI	12	12	
REDUCED PRESSURE			
1 SERVICE OUTLETS @	NONE	NONE	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLET @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	7	7	
TOTAL CHARGING AIR			
1 SERVICE OUTLETS @	NONE	NONE	



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

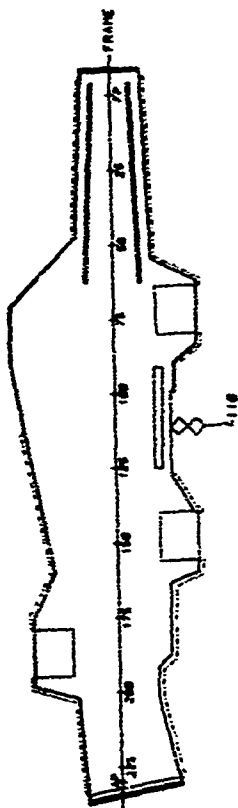
LEGEND

- LOW PRESSURE AIR, 120 PSI
- HIGH PRESSURE AIR, 1000 PSI

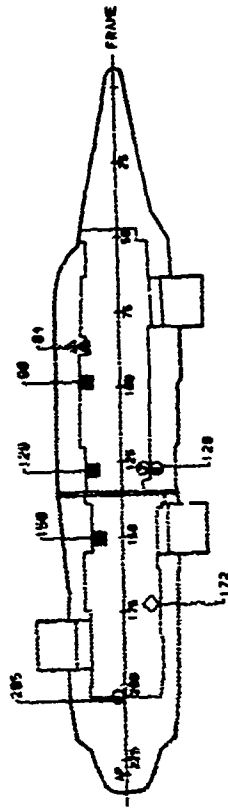
CV-41 USS MIDWAY

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1	STORAGE CAPACITY, LIQUID GALS	2000	
2	GENERATING CAPACITY GPM	18.6	
3	SERVICE OUTLETS, LIQUID	FLT OK NONE	HCR OK 1
4	SERVICE OUTLETS, GASEOUS	FLT OK NONE	HCR OK 1 ⁰
NITROGEN			
1	STORAGE CAPACITY @ 5000 PSI	75 cu ft	
2	SERVICE OUTLETS	FLT OK NONE	HCR OK 3 ¹
NITROGEN			
1	STORAGE CAPACITY @ 1000 PSI	32 cu ft	
2	SERVICE OUTLETS	FLT OK 2 ⁰	HCR OK 1 ⁰ 2 ¹ 3 ⁰
NOTES PRESSURES (PSI)			
a	1000 c 2000 d 2000 - 2000	g 1000	i 1000
b	1000 d 2000 f 3000	h 500	

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

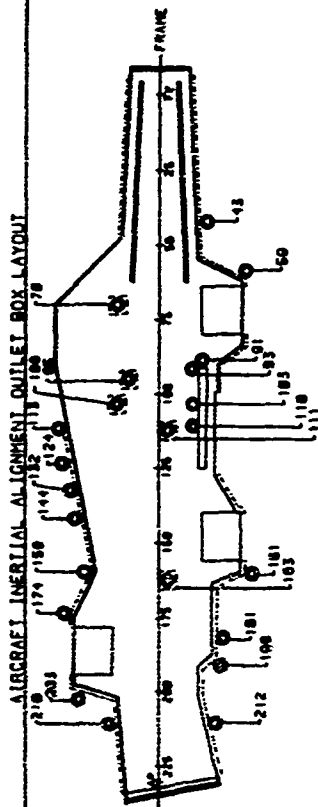
LEGEND
 1. LIQUID OXYGEN 2000 PSI
 2. LIQUID NITROGEN 2000 PSI
 3. GASEOUS NITROGEN 2000 PSI
 4. GASEOUS NITROGEN 2000 PSI
 5. GASEOUS NITROGEN 2000 PSI

CV-41 USS MIDWAY

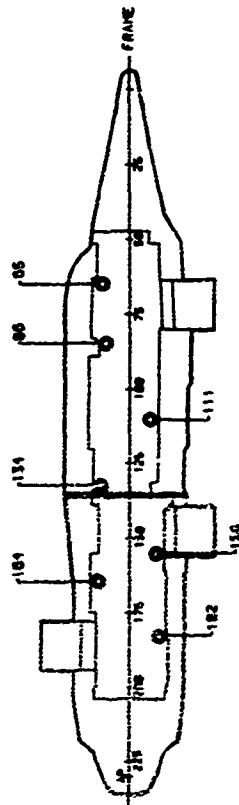
AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY

AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ ALIGNMENT OUTLET FOR
 □ MISCELLANEOUS

CV-41 USS MIDWAY

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6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
N/A	Combat Readiness Station Service Summary	N/A
N/A	Combat Readiness Station Layout	N/A
11	Oxygen and Nitrogen Service Summary	11
12	Oxygen and Nitrogen Service Outlet Layout	12
13	Aircraft Inertial Alignment Outlet Box Summary	13
14	Aircraft Inertial Alignment Outlet Box Layout	14
N/A	Aircraft Cooling and Starting Air Outlet Summary	N/A
N/A	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - MARCH 1974

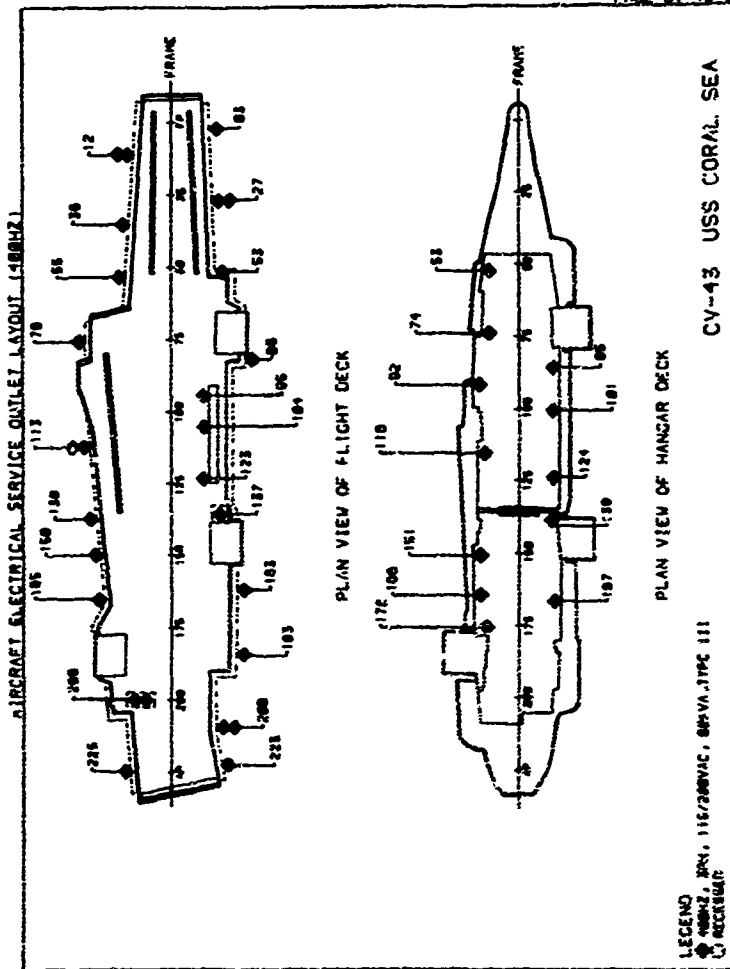
USS CORAL SEA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400HZ AIRCRAFT SERVICE

SERVICE OUTLETS

	FLT DR	HCR DR
1 400Hz, 3PH, 115/200 VAC, 30kVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30kVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 30kVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 30kVA, Type III	27	12

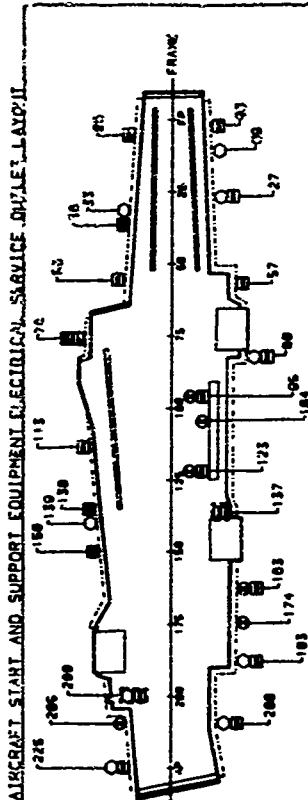


CV-43 USS CORAL SEA

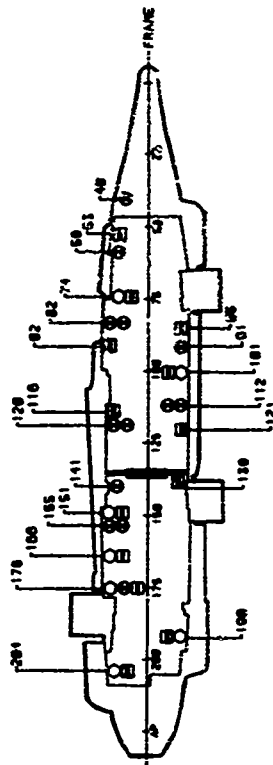
A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY

440 VAC SUPPORT EQUIPMENT SERVICE 20 S VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT OK	MCR OK
1	440 VAC 60Hz, 3PH, 25 AMP	0	7
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	0	13
20 S VDC A/C SERVICE AND START			
1	20 S VDC, 200 AMP CONTINUOUS	NONE	NONE
2	20 S VDC, 300 AMP Cont, 000 to 900 A Inter	NONE	NONE
3	20 S VDC, 600 AMP Cont, 000 to 900 A Inter	NONE	13/12
4	20 S VDC, 300 AMP cont, 050 to 1000 A Inter	20	13
5	20 S VDC, 600 AMP Cont, 050 to 1000 A Inter	NONE	NONE



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

O 40VAC, 60HZ, 70W, 2-STEP
O 40VAC, 60HZ, 3P1, 180W
O 28 VUOC, 100AMP CONT CSD-100A INTER
1-1985C

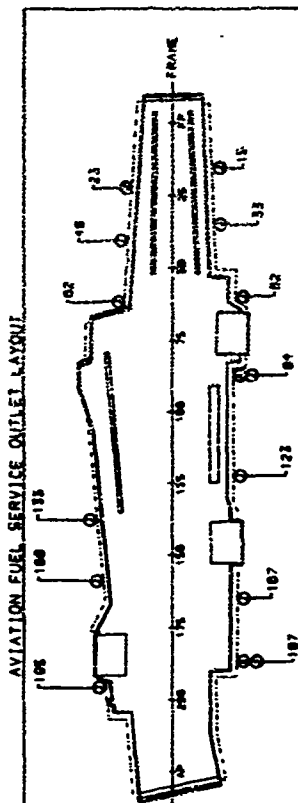
CV-43 USS CORAL SEA

AVIATION FUEL SERVICE

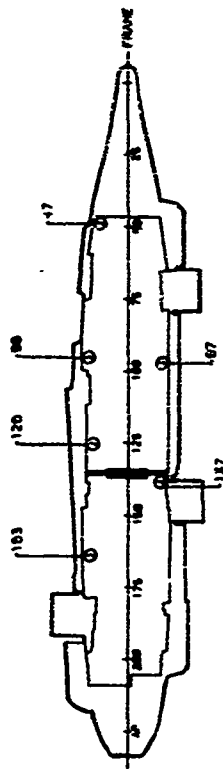
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL GSS	30,000	1,112,978
2 SERVICE OUTLETS	FLT DK 2 HCR DK 8	FLT DK 12 HCR DK 6
3 METERS PER OUTLET	2	2
4. SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	NOTE 1
a TWO OUTLETS OPERATING	1000/40	2000/40
b FOUR OUTLETS OPERATING	1000/40	2000/40
c SIX OUTLETS OPERATING	1000/40	2000/40
5. REFUELING CAPACITY PER SERVICE OUTLET GPM	100	100
6. DERUELING CAPACITY PER PORTABLE PUMP GPM	25	25

NOTES
1 1-1/2" HOSE AV/GAS, 2-1/2" HOSE JP-5



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① 11/1/68
② 11/1/68

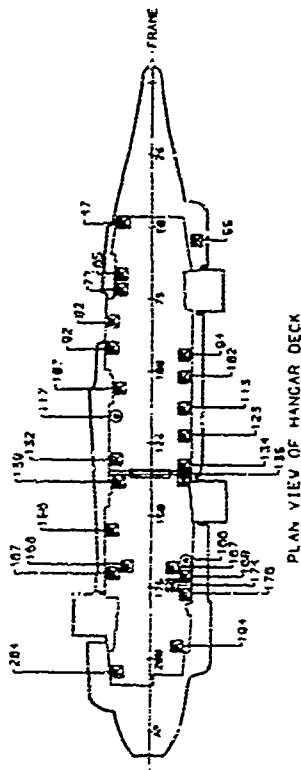
CV-43 USS CORAL SEA.

COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

ON PRELUM	FLT DA	ICR DA
1 SERVICE OUTLETS @ 150 PSI	5	22
REDUCE PRESSURE	NONE	NONE
1 SERVICE GUILTS		
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	2
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	16	2
100% CHANGING AIR	NONE	NONE
1 SERVICE OUTLETS @		

PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

LOW PRESSURE AIR 16W 451

HIGH PRESSURE AIR 1000 PSI

154 4007-0001 RIV 301553ND KMLUJH 00

CV-43 USS CORAL SEA

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GAL'S	1280	
2 GENERATING CAPACITY GPM	18.0	
3 SERVICE OUTLETS, LIQUID	F.L.T. OK, NONE	HCR OK 1
4 SERVICE OUTLETS, GASEOUS	F.L.T. OK, NONE	HCR OK 1 ⁰

NITROGEN

1 STORAGE CAPACITY at 3000 PSI	87 CU. FT.	
2 SERVICE OUTLETS	F.L.T. OK 1 ¹ ⁰	HCR OK 1 ¹

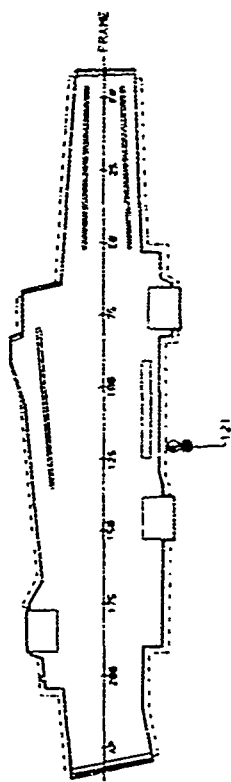
NITROGEN

1 STORAGE CAPACITY at 3000 PSI	128 CU. FT.	
2 SERVICE OUTLETS	F.L.T. OK, NONE	HCR OK 1 ¹

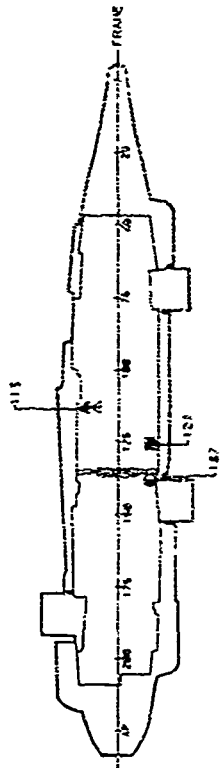
NOTES PRESSURES (PSI)

a 1800 c 2800 • 2800 Q 3500 I 5000	
b 1000 d 2000 f 3000 h 500	

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ CASUALTY OXYGEN, 2000 PSI
 - CASUALTY NITROGEN, 2000 PSI
 - CASUALTY NITROGEN, 2000-1800 PSI
 - CASUALTY NITROGEN, 2000 PSI
 - CASUALTY NITROGEN, 2000 PSI

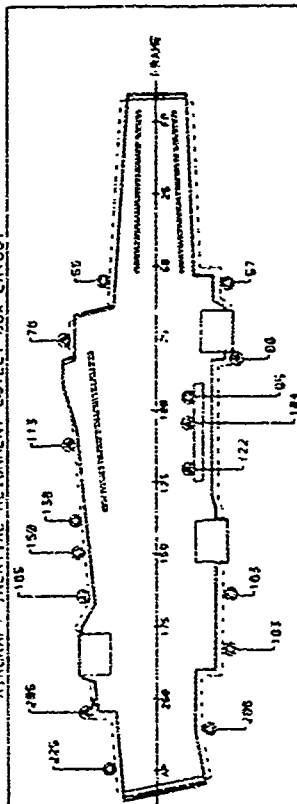
CV-43 USS CORAL SEA

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY

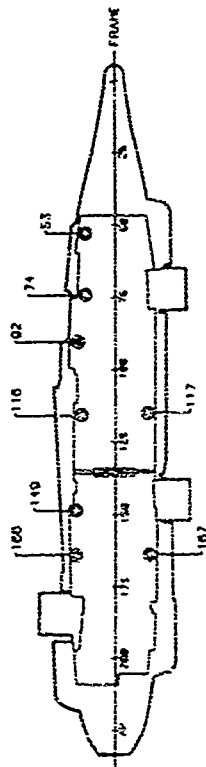
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
ALIGNMENT OUTLET BOX (ANALOG)
ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)

CV-43 USS CORAL SEA

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5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
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	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1977

U.S. FORRESTAL

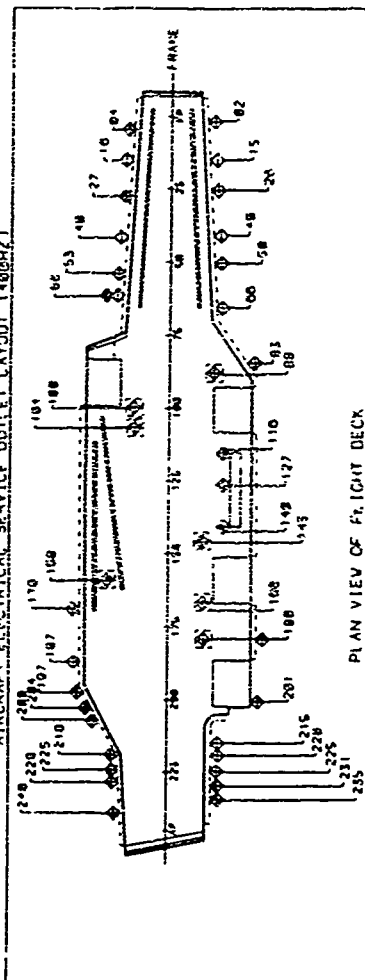
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400Hz AIRCRAFT SERVICE

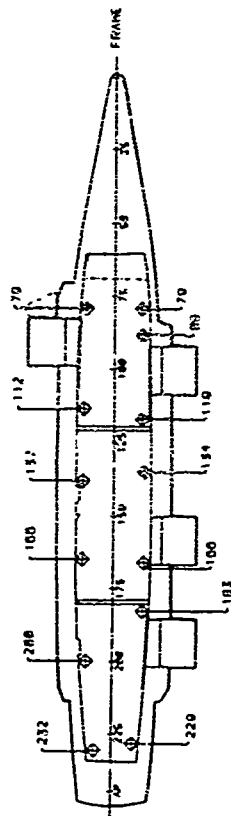
SERVICE OUTLETS

	FLT OK	MGR OK
1 400Hz, 3Ph, 115/200 VAC, .06KVA, Type I	NONE	NONE
2 400Hz, 3Ph, 115/200 VAC, .32KVA, Type III	NONE	NONE
3 400Hz, 3Ph, 115/200 VAC, .08KVA, Type I	5	NONE
4 400Hz, 3Ph, 115/200 VAC, .06KVA, Type III	16	13

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT 1400HZ I



PLAN VIEW OF FLIGHT DECK



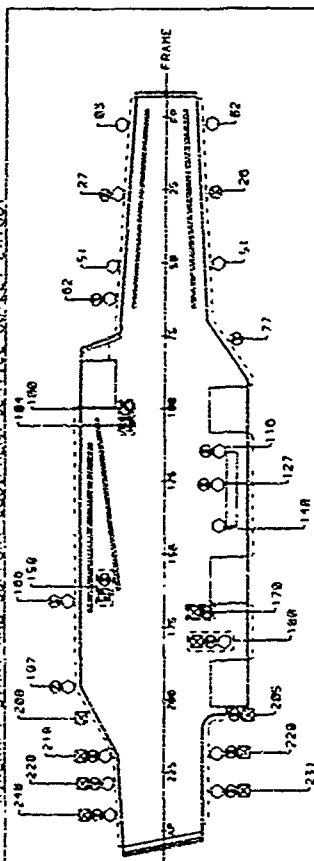
PLAN VIEW OF HANGAR DECK

LEGEND
 400HZ, 1PH, 115/208VAC, 80KVA, TYPE I
 400HZ, 3PH, 115/208VAC, 80KVA, TYPE III
 U RECESSED

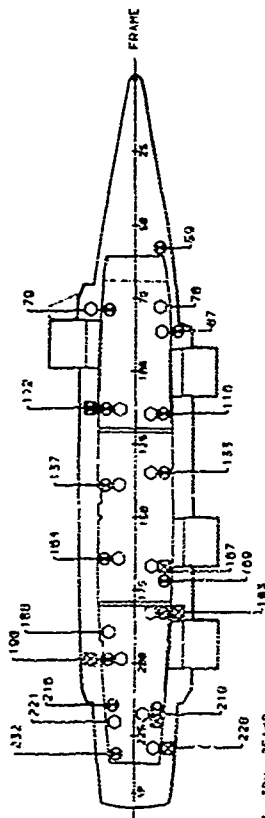
CV-59 USS FORRESTAL

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE		PLT DR	HCR DR
1	440 VAC 60Hz, 3PH, 25 AMP	17	15
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 160 AMP	17	14
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 280 AMP Continuous	NONE	NONE
2	20 5 VDC, 300 AMP CONT, 000 TO 1000 A Inter	0	5
3	20 5 VDC, 000 AMP CONT, 000 TO 000 A Inter	1	1
4	20 5 VDC, 300 AMP CONT, 050 TO 1000 A Inter	NONE	NONE
5	20 5 VDC, 650 AMP CONT, 050 TO 1000 A Inter	2	NONE

AIRCRAFT STAIR AND SUPPORT EQUIPMENT SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- 48VAC, 60HZ, 3PH, 25AMP
 - 48VAC, 60HZ, 3PH, 100AMP
 - 20 5VDC, 050 AMP CONT 050A TO 100A INTER
 - 20 5VDC, 080 AMP CONT 080A TO 090A INTER
 - 20 5VDC, 100 AMP CONT 090A TO 098A INTER
 - RECESSED

CV-59 USS FORRESTAL

AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

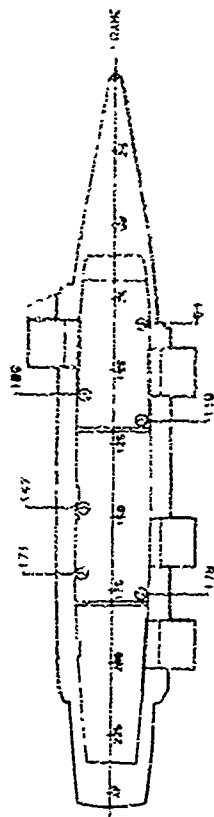
	AV/GAS	JP-5
1 CAPACITY GAL 95%	100.000	1.338.000
2 SERVICE OUTLETS	FLT DK 2 HCR DK 1	FLT DK 10 HCR DK 5
3 HOSES PER OUTLET	NOTE 1 FLT DK 1 HCR DK 2	FLT DK 4 HCR DK 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	100/45	200/45
a TWO OUTLETS OPERATING	100/45	200/45
b FOUR OUTLETS OPERATING	100/45	200/45
c SIX OUTLETS OPERATING	100/45	200/45
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	N/A	N/A
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	50	50

NOTES

1 JP-5 STATION 6 FLY OK FR 02 AND 12 PORT ARE 2 HOSE STATIONS

2 1-1/2" HOSC AV/CAS, 2-1/2" HOSC JP-5

PLAN VIEW OF LIGHT DECK

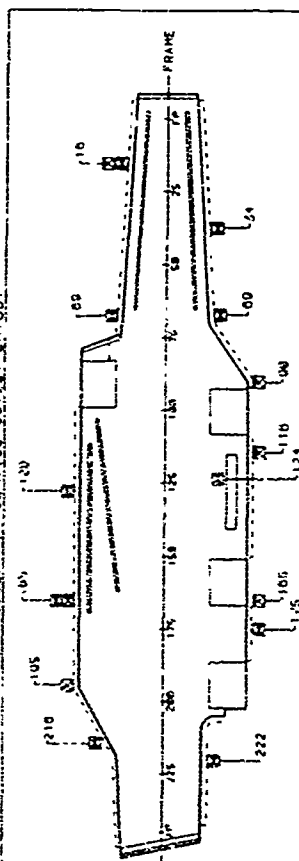


PLAIN VIEW OF MAXILLARY DENTURE

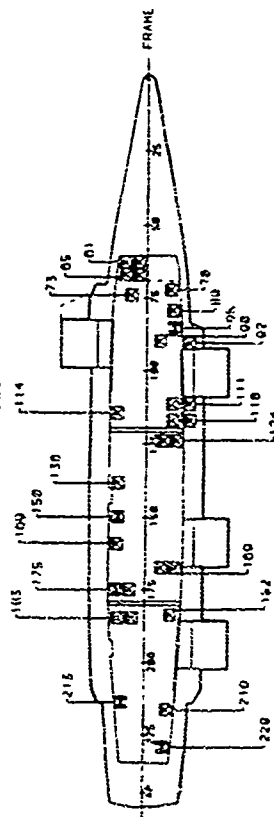
LEGEND
 (Q) JP-5
 (Q) AV/CAS
 (Q) RECESSED

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE		SLT OK	HCR OK
1 SERVICE OUTLETS • 100-150 PSI		4	25
REDUCED PRESSURE			
1 SERVICE OUTLETS •		NONE	NONE
MEDIUM PRESSURE			
1 SERVICE OUTLETS • 1000 PSI		NONE	NONE
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS • 1000 TO 3000 PSI (VARIABLE)		NONE	NONE
HIGH PRESSURE			
1 SERVICE OUTLETS • 3000 PSI		11	5
TIRE CHANGING AIR			
1 SERVICE OUTLETS •		NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



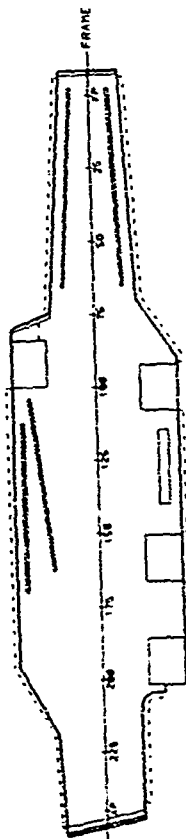
PLAN VIEW OF HANGAR DECK

LEGEND
 □ LOW PRESSURE AIR, 100-150 PSI
 ■ HIGH PRESSURE AIR, 1000 PSI

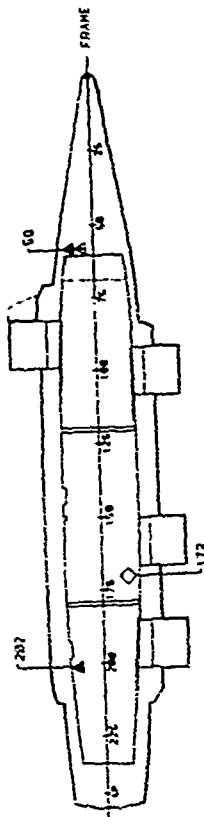
CV-59 USS FORRESTAL

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	1500 GALS		
2 GENERATING CAPACITY CFH	15-18		
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 1	
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2 ⁰	
NITROGEN			
1 STORAGE CAPACITY @ 5000 PSI	88 cu ft		
2 SERVICE OUTLETS	FLT DK NONE	HGR DK NONE	
NITROGEN			
1 STORAGE CAPACITY @ 3000 PSI	170 CU FT		
2 SERVICE OUTLETS	FLT DK NONE	HGR DK 1 ⁰	
NOTES PRESSURES (PSI)			
a 1000 c 2000 e 2000 - 3000 g 1500 i 5000			
b 1000 d 2000 f 1000 h 500			

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



FOR AN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
▲ GASEOUS OXYGEN 2000 PSI
△ LIQUID OXYGEN
◇ GASEOUS NITROGEN 1500 PSI

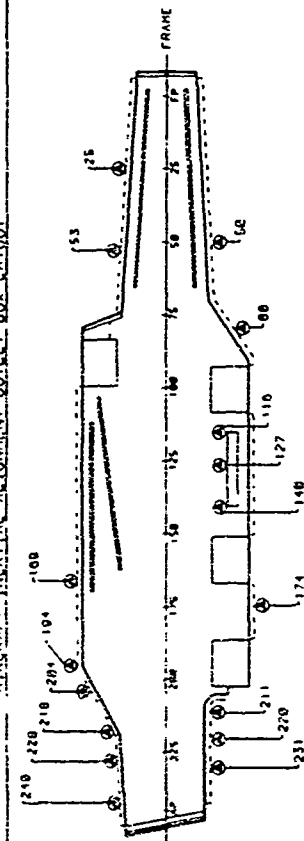
CV-59 U.S. FORRESTAL

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY

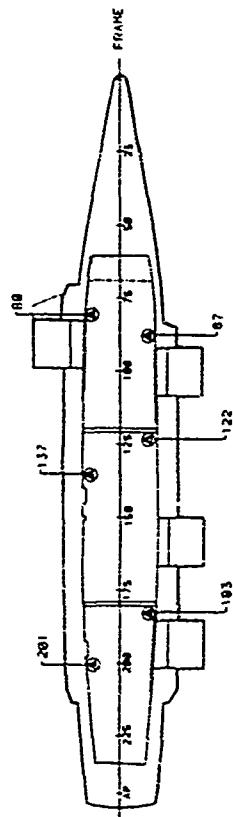
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

AIRCRAFT INERTIAL ALIGNMENT QUILT BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK



LEGEND

④ ALIGNMENT OUTLET BOX, ANALOG/DIGITAL

CV-59 US; FORRESTAL

CATEGORY PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	9
	Combat Readiness Station Layout	10
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - September 1970

USS SARATOGA

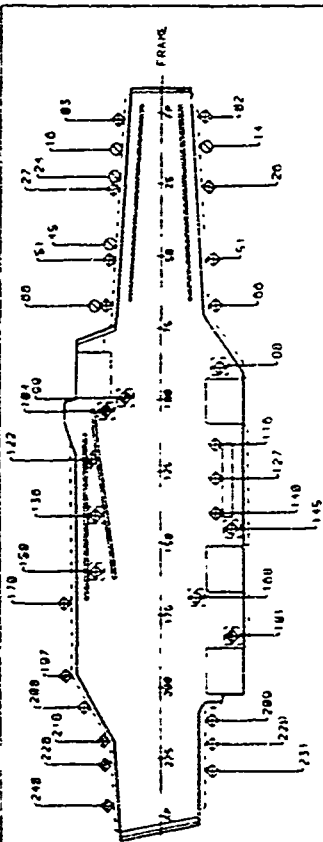
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400Hz AIRCRAFT SERVICE

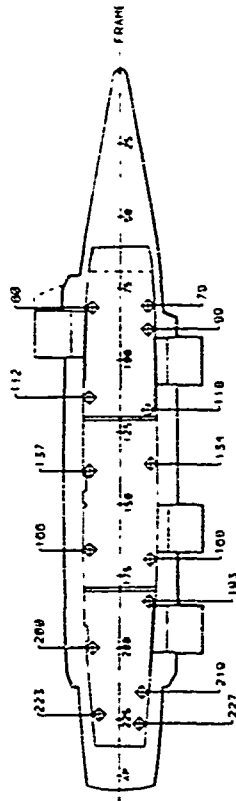
SERVICE OUTLETS

		FLT DK	MCR DK
1	400Hz, 3Ph, 115/200 VAC, 50kVA, Type I	5	NONE
2	400Hz, 3Ph, 115/200 VAC, 50kVA, Type III	NONE	NONE
3	400Hz, 3Ph, 115/200 VAC, 100kVA, Type I	NONE	NONE
4	400Hz, 3Ph, 115/200 VAC, 100kVA, Type III	20	14

12M0647 131100 351A035 1350501V
AIRCRAFT ELECTRICAL SERVICE QUITE LATE



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

Q 400	112.3PH	116.100	VAC	0.0	KVA	TYPE I
Q 400	112.3PH	115.100	VAC	0.0	KVA	TYPE III

1-17-1954 D

67A

CV-50 1st, SARATOGA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60Hz, 5PH, 25 AMP	10	14
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 5PH, 100 AMP	4	7
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 200 AMP Continuous	NONE	NONE
2	20 5 VDC, 500 AMP Cont, 000 to 000 A Inter	3	1
3	20 5 VDC, 000 AMP Cont, 000 to 000 A Inter	16	8
4	20 5 VDC, 500 AMP Cont, 050 to 1000 A Inter	0	5
5	20 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

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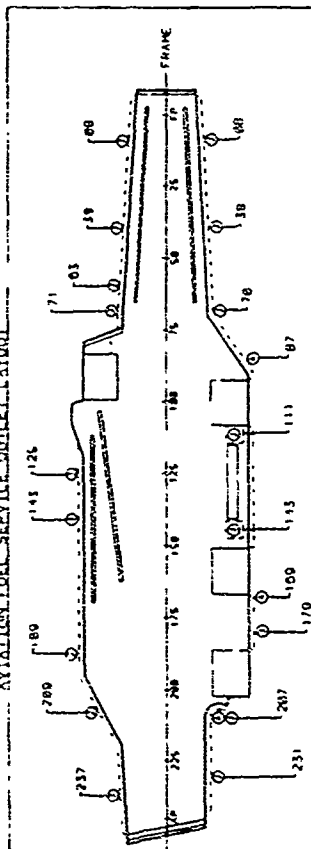
LEGEND

O	450 VAC .60A/2.5 AMP
○	450 VAC .00A/2.5 PH. 180 AMP
△	470 S VDC .50AMP CONT 050 1000 INTER
□	470 S VDC .00AMP CONT 050-080 INTER
◇	470 S VDC .50AMP CONT 050-080 INTER
×	DIFFERENTIAL

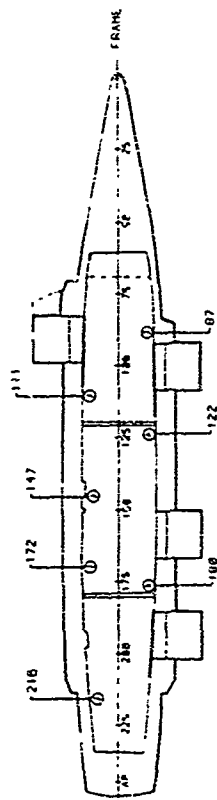
CV-60 U.S., SARATOGA

AVIATION FUEL SERVICE		
AVIATION GASOLINE AND JP-5		
	AV/GAS	JP-5
1 CAPACITY GAL. DSK	184,888	1,710,453
2 SERVICE OUTLETS	FLT DK 3 HGR DK 2	FLT DK 17 HGR DK 5
3 HOSES PER INLET	2	NOTE 1
4 SERVICE OUTLET CAPACITY, GPH/PSI	NOTE 2	NOTE 2
a TWO OUTLETS OPERATING	200/40	200/40
b FOUR OUTLETS OPERATING	200/40	200/40
c SIX OUTLETS OPERATING	200/40	200/40
5 DEFUELING CAPACITY PER SERVICE OUTLET GPH	188	188
6 DEFUELING CAPACITY PER PORTABLE PUMP GPH	25	25
NOTES:		
1 FLT DK JP-5 Outlets of 1, 71 and 03 are 2 (iso) hose outlets.		
2 1 1/2 hose AV/GAS, 2 1/2 hose JP-5		

AVIATION FUEL SERVICE GUILLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 () HANGAR
 () J-5
 () RECEIVED

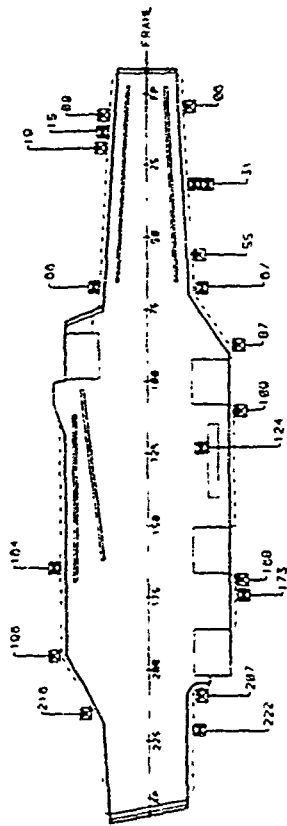
CV-60 USS SARATOGA

COMPRESSED AIR SERVICE SUMMARY

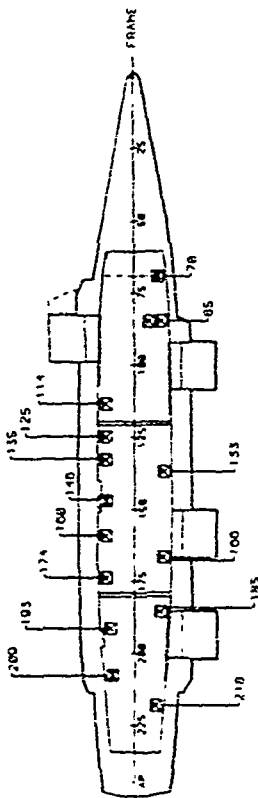
COMPRESSED AIR

LOW PRESSURE		FLT DA	MCB DA
1 SERVICE OUTLETS •		10	12
REDUCED PRESSURE			
1 SERVICE OUTLETS •		NONE	NONE
MEDIUM PRESSURE			
1 SERVICE OUTLETS • 1800 PSI		NONE	NONE
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS • 1800 TO 5000 PSI (VARIABLE)		NONE	NONE
HIGH PRESSURE			
1 SERVICE OUTLETS • 3000 PSI		0	3
FIRE CHANGING AIR			
1 SERVICE OUTLETS •		NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-60 USS SARATOGA

LEGEND
○ LOW PRESSURE AIR, 100 PSI
● HIGH PRESSURE AIR, 1000 PSI

COMBAT READINESS STATION SERVICE SUMMARY

[illegible]

COXYGEN AND NITROGEN SERVICE SUMMARY

1437X0

STUDY CAPACITY, AROUND CARS

157

2. CLIMATE RISK: CAPAS (FY 2020)

242

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THE UNIVERSITY OF CHICAGO

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3. AVAILABLE CAPACITY 0.3333333333333333

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2. **EXHIBIT 100** (400, 512)

100% 100%

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1150) 5.38155344 5.31024

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DATE : 13/02/2021

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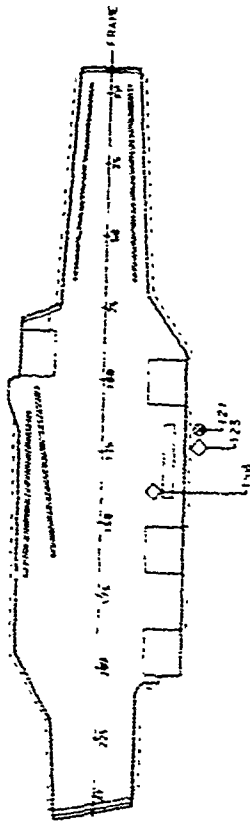
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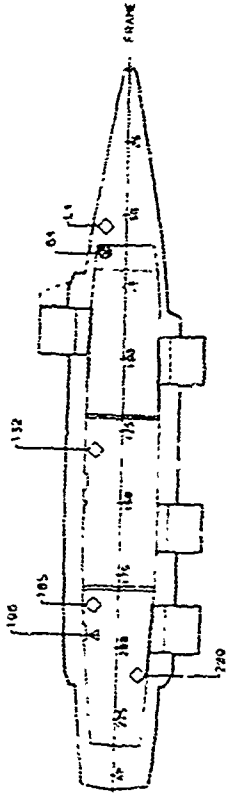
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OXYGEN AND NITROGEN SERVICE ROUTING DIAGRAM



PLAN VIEW OF FLIGHT DECK



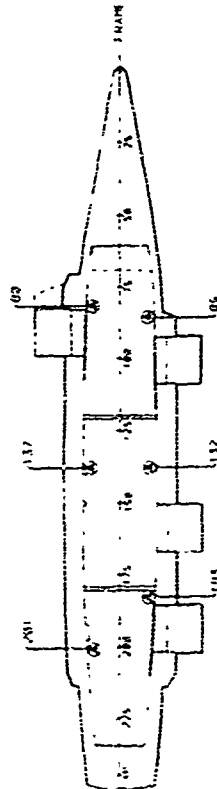
PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ OXYGEN ORIGIN 7000 PSI
- △ NITROGEN ORIGIN
- OXYGEN NITROGEN 5500 PSI
- ⊗ OXYGEN NITROGEN 5500 PSI

CV-60 USS SARATOGA



PLAN VIEW OF SLIGHT INFLUX



PLAN VIEW OF HANGAR DOOR

CV-68 USS SARATOGA

01861716
JAN 11 1968
FBI - NEW YORK

PAGE NO.

CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
9	Combat Readiness Station Service Summary	9
10	Combat Readiness Station Layout	10
11	Oxygen and Nitrogen Service Summary	11
12	Oxygen and Nitrogen Service Outlet Layout	12
13	Aircraft Inertial Alignment Outlet Box Summary	13
14	Aircraft Inertial Alignment Outlet Box Layout	14
N/A	Aircraft Cooling and Starting Air Outlet Summary	N/A
N/A	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1070

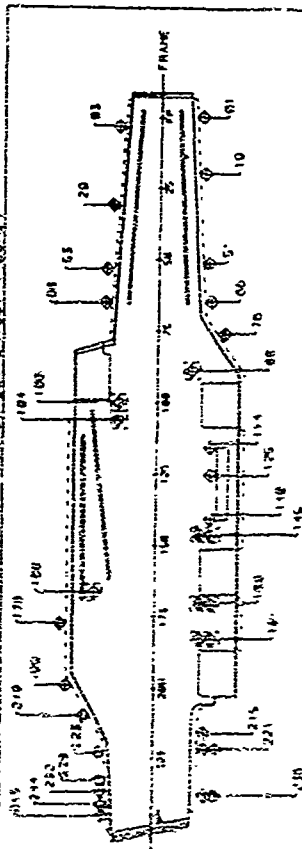
USS RANGER

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

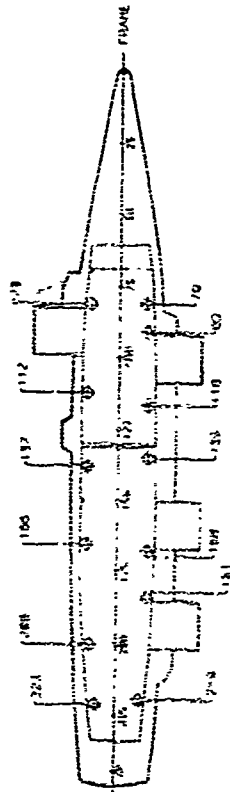
100,000 AIRCRAFT SERVICE

SCN PRICE 00114115	S.L.P. DR	MCN UM
1 480000, 300, 115, 200 VAC 300VA, 1YD0 1	NONE	NONE
2 480000, 300, 115, 200 VAC, 300VA, 1YD0 11	NONE	NONE
3 480000, 300, 115, 200 VAC, 300VA, 1YD0 1	NONE	NONE
4 480000, 300, 115, 200 VAC, 300VA, 1YD0 115	35	15

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (40042)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-61 USS RANGER

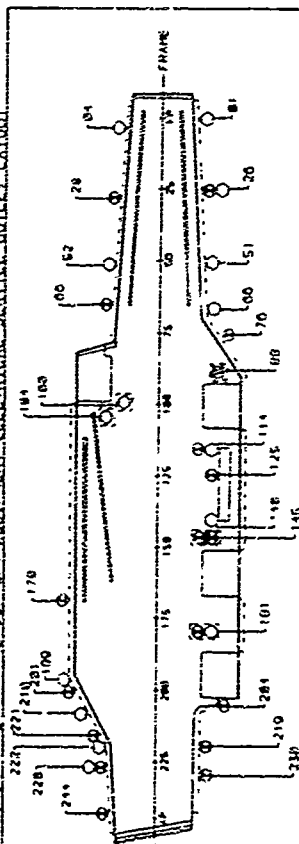
11-1-59
J. J. JONES, JR., ELECTRICAL ENGINEER
11-1-59

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

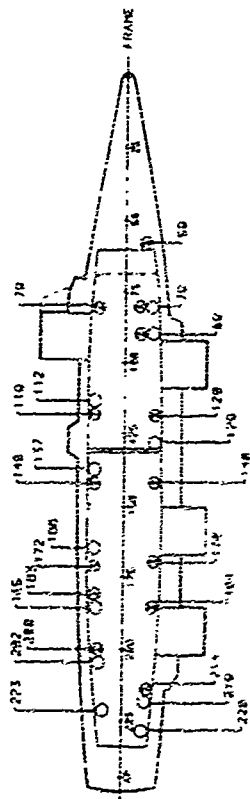
440 VAC SUPPORT EQUIPMENT SERVICE
20 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	MCB DK
1	440 VAC 60Hz, 3PH, 75 AMP	15	11
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz 3PH, 180 AMP	10	14
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 200 AMP CONTINUOUS	NONE	NONE
2	20 5 VDC, 500 AMP CONT, 600 TO 000 A Inter	NONE	NONE
3	20 5 VDC, 000 AMP CONT, 000 TO 000 A Inter	2	NONE
4	20 5 VDC, 300 AMP CONT, 000 TO 1000 A Inter	NONE	NONE
5	20 5 VDC, 050 AMP CONT, 050 TO 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-01 USS RANGER

LEGEND:
○ - 115VAC, 60HZ, 20A, 250V, 250V
○ - 115VAC, 60HZ, 30A, 250V, 250V
○ - 250VAC, 60HZ, 250V, 250V, 250V
○ - 250VAC, 60HZ, 250V, 250V, 250V

AVIATION FULL SERVICE

JP-S

1 CAPACITY GAL GSS 1,523,420

2 SERVICE OUTLETS FLT DK 17
15R DK 6

3 HOSES PER OUTLET NOFC 1 FLT DK 4
HCR DK 2

4 SERVICE OUTLET CAPACITY, GPM/PSI
NOTE 2 230/38

a TWO OUTLETS OPERATING 200/50

b FOUR OUTLETS OPERATING 200/30

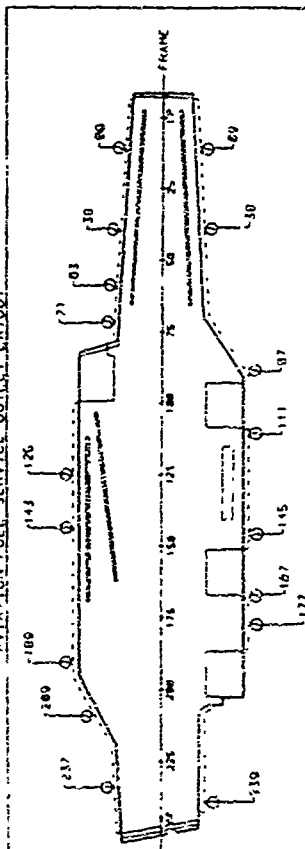
c SIX OUTLETS OPERATING 200/30

5 DEFUELING CAPACITY PER SERVICE OUTLET GPM 180

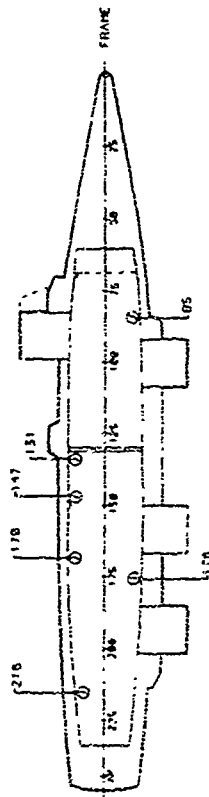
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM 50 (2)

NOTES
1 FLIGHT DECK JP S OUTLETS CHAMES 71 AND 83 ARE (2) NOSE OUTLETS
2 2-1/2" NOSE

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



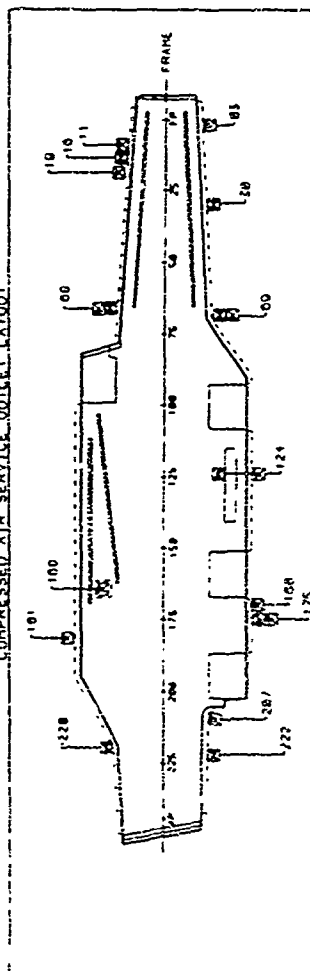
PLAN VIEW OF HANGAR DECK

CV-61 USS RANGER

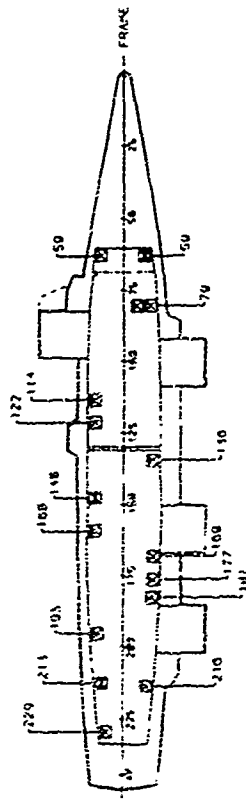
LEGEND
① 11-1

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT DK	INCR DK	
1 SERVICE OUTLETS • 1000 PSI	0	13	
REDUCED PRESSURE			
1 SERVICE OUTLETS •	NONE	NONE	
MEDIUM PRESSURE			
1 SERVICE OUTLETS • 1000 PSI	2	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS • 1000 to 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS • 3000 PSI	0	3	
TIRE CHARGING AIR			
1 SERVICE OUTLETS •	NONE	NONE	

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

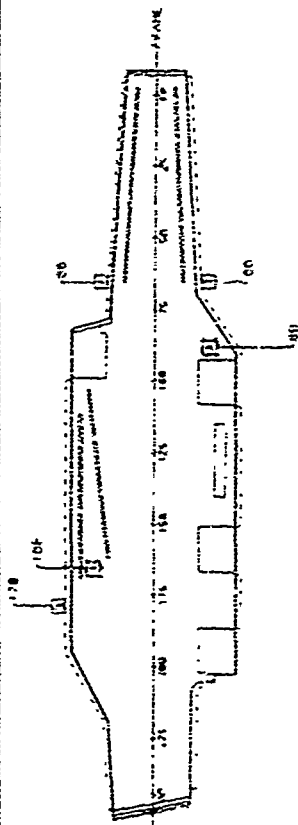
LEGEND
 1. LOW PRESSURE AIR, 100 PSI
 2. MEDIUM PRESSURE AIR, 150 PSI
 3. HIGH PRESSURE AIR, 300 PSI
 4. RECESSION

CV-61 USS RANGER

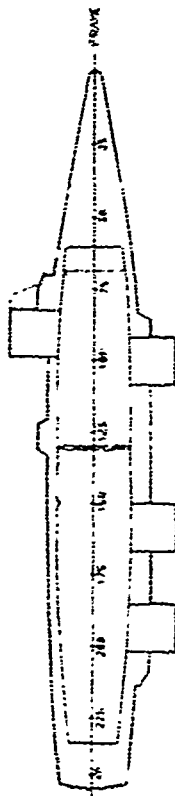
COMBA! READINESS STATION SERVICE SUMMARY

SERVICES	STATIONS
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
400 Hz, 5PH, 115/200 VAC 30 KVA, Type I	
400 Hz, 5PH, 115/200 VAC 10 KVA, Type III	
400 Hz, 5PH, 115/200 VAC 60 KVA, Type I	
420 Hz, 3PH, 115/200 VAC 60 KVA, Type III	
440 VAC, 60 HZ, 3PH, 25A	
440 VAC, 60 HZ, 3PH, 6RA	
440 VAC, 60 HZ, 5PH, 100A	
20 5 VDC, 240W Cont	
20 5 VDC, 100A Cont 0-50 to 1000A Inter	
20 6 VDC, 000A Cont 000 to 1000A Inter	
20 6 VDC, 050A Cont 050 to 1000A Inter	
20 5 VDC, 1000A Cont 000 to 1000A Inter	
CORING AIR	
STARTING AIR	
5100 (QUAD OUTPUT) ANALOG/DIGITAL	
5105 (SINGLE OUTPUT)	
RECEIVED	

INQUIRY: READING'S



PLAN 711V OF FLIGHT (FC)



014637301
[] 1463531
01463731

PLAN VIEW OF HANGAR DECK

CV-81 USS RANGER

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS	2,368	
2 GENERATING CAPACITY GPH	35	
3 SERVICE OUTLETS, LIQUID	FLT DN NONE	HGR DN 2
4 SERVICE OUTLETS, GASEOUS	FLT DN NONE	WGR DN 2 ⁰

NITROGEN

1 STORAGE CAPACITY of 5000 PSI	178 cu ft	
2 SERVICE OUTLETS	FLT DN 1 ⁰	HGR DN 1 ⁰ , 2 ⁰

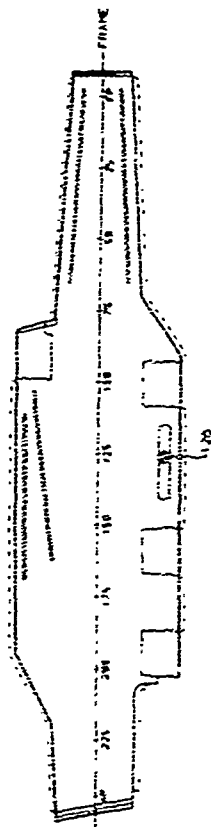
NITROGEN

1 STORAGE CAPACITY of 5000 PSI	NONE	
2 SERVICE OUTLETS	FLT DN NONE	HGR DN NONE

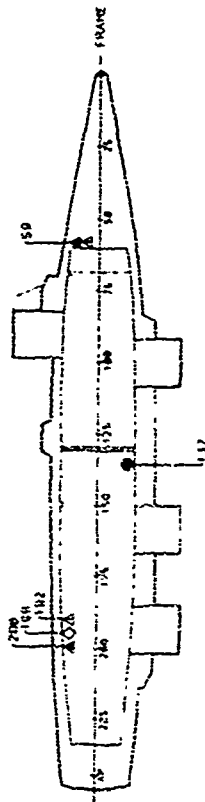
NOTES PRESSURES (PSI)

at 1000	at 2000	at 3000	at 4000	at 5000

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

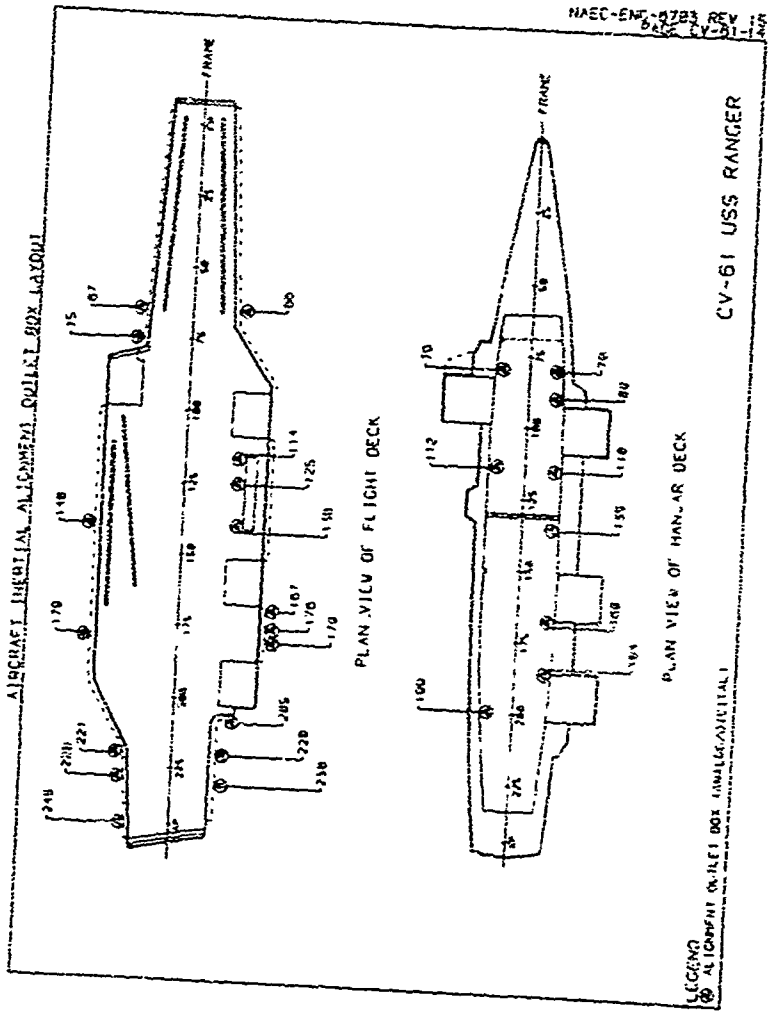


PLAN VIEW OF HANGAR DECK

CV-61 USS RANGER

LEGEND:
O OXYGEN SERVICE OUTLET
N NITROGEN SERVICE OUTLET
X GASLOUS OUTLET
2000 PSI

NAEC-ENG-0783 REV 17
61-11-1-17



CV-61 USS RANGER

CATEGORY

PAGE NO.

1 Aircraft Electrical Service Outlet Summary (400 MAC)	1
Aircraft Electrical Service Outlet Layout (400 MAC)	2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Combat Readiness Station Service Summary	9
Combat Readiness Station Layout	10
6 Oxygen and Nitrogen Service Summary	11
Oxygen and Nitrogen Service Outlet Layout	12
7 Aircraft Inertial Alignment Outlet Box Summary	13
Aircraft Inertial Alignment Outlet Box Layout	14
8 Aircraft Cooling and Starting Air Outlet Summary	N/A
Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - JULY 1982

USS INDEPENDENCE

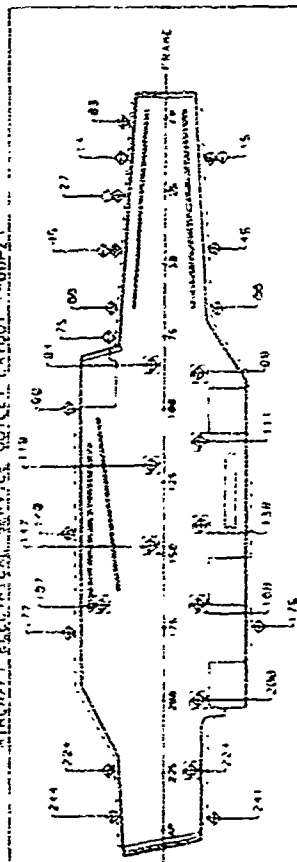
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400Hz AIRCRAFT SERVICE

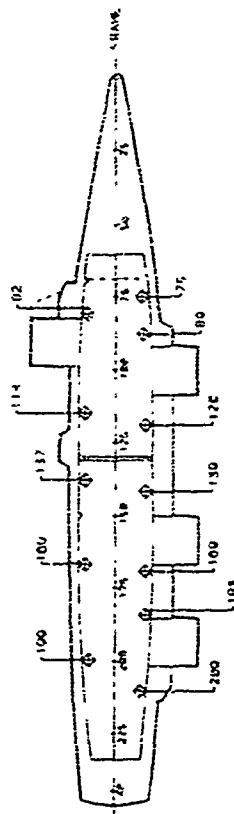
SERVICE OUTLETS

	111 ON	MGR ON
1 400Hz 1Ph, 115/200 VAC, 30VA, Type 1	NONE	NONE
2 400Hz 3Ph, 115/200 VAC, 30VA, Type 111	NONE	NONE
3 400Hz 3Ph, 115/200 VAC, 60VA, Type 1	5	NONE
4 400Hz 3Ph, 115/200 VAC, 60VA, Type 111	24	12

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (AUG-21)



PLAN VIEW OF FLIGHT DECK



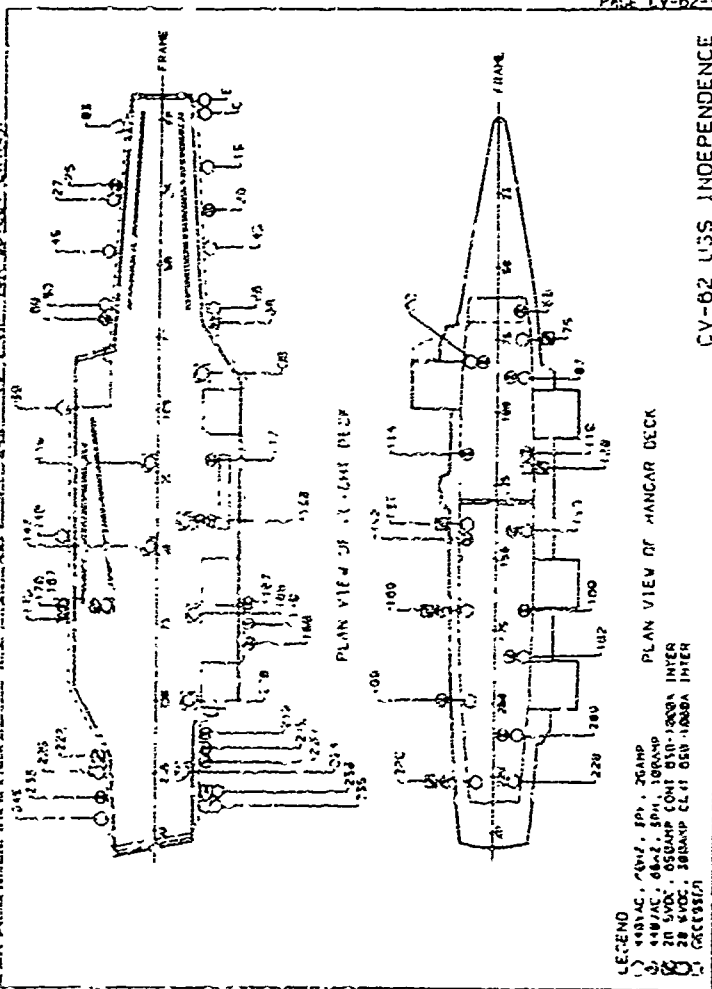
PLAN VIEW OF HANGAR DECK

LEGEND
 1. 480VAC, 3PH, 115/200 VAC, 600VA, TYPE I
 2. 480VAC, 3PH, 115/200 VAC, 600VA, TYPE III
 3. ACCESS

CV-62 USS INDEPENDENCE

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
		FLT DS	MGR OK
1	440 VAC 0014, 3014, 25 AMP	24	12
2	440 VAC 0014, 3014, 10 AMP	NONE	NONE
3	440 VAC 0014, 3014, 10 AMP	17	15
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 250 AMP COIL TIGHT	NONE	NONE
2	20 5 VDC, 250 AMP COIL, 250 TO 250 A 1014	NONE	NONE
3	20 5 VDC, 250 AMP COIL, 250 TO 250 A 1014	NONE	1, 2, 3
4	20 5 VDC, 250 AMP COIL, 250 TO 250 A 1014	1	NONE
5	20 5 VDC, 250 AMP COIL, 250 TO 250 A 1014	2	5

AREA 55, STIAS AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



CV-02 U.S. INDEPENDENCE

AVIATION FUEL SERVICE

JP-5

1 CAPACITY GAL 553 1,188,182

2 SERVICE OUTLETS FLT OK 17
HCR OK 7

3 HOSES PER OUTLET NOTE 1 FLT OK 4
HCR OK 2

4 SERVICE OUTLET CAPACITY, GPM/PSI 288/48

a TWO OUTLETS OPERATING 288/48

b FOUR OUTLETS OPERATING 288/48

c SIX OUTLETS OPERATING 288/48

5 DEFUELING CAPACITY PER SERVICE OUTLET GPM 102

6 DEFUELING CAPACITY PER PORTABLE PUMP GPM 25

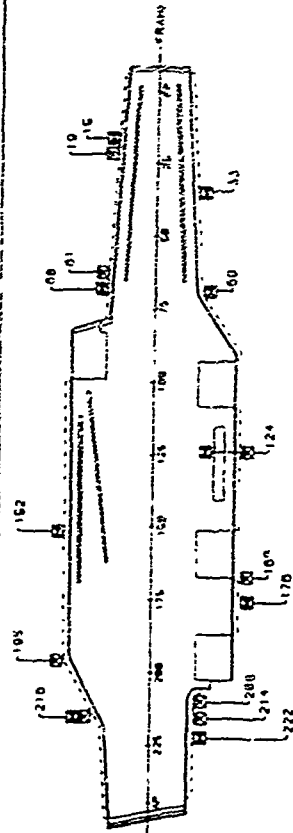
NOTES
1 JP-5 STATIONS AT FR 71 AND FR 52 FLT OK PORT ARE(2) TWO HOSE OUTLETS

COMPRESSED AIR SERVICE SUMMARY

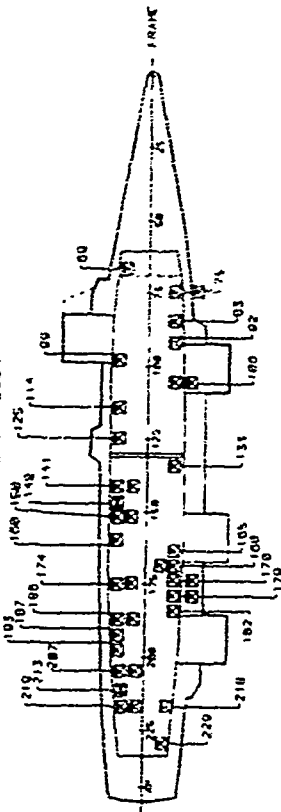
COMPRESSED AIR

LOW PRESSURE	FLT OK	HGR OK
1 SERVICE OUTLETS • 100 PSI	0	30
REDUCED PRESSURE		
1 SERVICE OUTLETS •	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS • 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS • 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS • 3000 PSI	0	2
TIRE CHANGING AIR		
1 SERVICE OUTLETS •	NONE	NONE

COMPRESSOR AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 □ LOW PRESSURE AIR, 100 PSI
 ■ HIGH PRESSURE AIR, 3000 PSI

CV-62 USS INDEPENDENCE

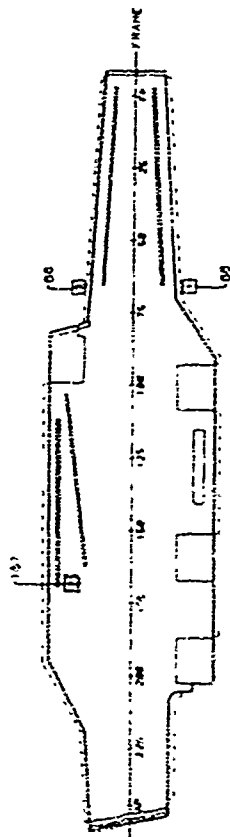
COMBAT READINESS STATION SERVICE SUMMARY

SERVICES

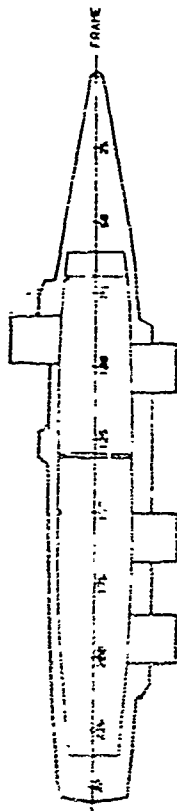
STATIONS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
420 Hz, 3PH, 115/200 VAC 30 KVA, Type I																		
430 Hz, 3PH, 115/200 VAC 30 KVA, Type III																		
430 Hz, 3PH, 115/200 VAC 60 KVA, Type I																		
430 Hz, 4PH, 115/200 VAC 60 KVA, Type III																		
442 VAC, 60 Hz, 3PH, 25A																		
448 VAC, 60 Hz, 3PH, 02A																		
448 VAC, 60 Hz, 3PH, 120A																		
20 5 VDC, 2800 Cms																		
20 5 VDC, 500A Cms, 050 to 1000A Inter																		
20 5 VDC, 600A Cms, 000 to 000A Inter																		
20 5 VDC, 600A Cms, 050 to 1000A Inter																		
20 5 VDC, 600A Cms, 000 to 1000A Inter																		
000A Cms, 210																		
3700VAC 410																		
5146 1000A Cms, 050																		
000A Cms, 000 to 000A Inter																		
0553300																		

COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
☐ COMBAT READINESS STATION
☐ RECEIVED

CV-82 USS INDEPENDENCE

OXYGEN AND NITROGEN SERVICE SUMMARY

Oxygen

1 STORAGE CAPACITY, LIQUID GALS

2500

2 GENERATING CAPACITY DPH

10.0

3 SERVICE OUTLETS, LIQUID

FLT OR NONE

HCR OR 1

4 SERVICE OUTLETS, GASTOUS

FLT OR NONE

HCR OR 5⁰

NITROGEN

1 STORAGE CAPACITY (LIQUID GALS)

2000

2 SERVICE OUTLETS

FLT OR 1⁰

HCR OR 1⁰, 1⁰, 1⁰

NITROGEN

1 STORAGE CAPACITY @ 3000 PSI

NONE

2 SERVICE OUTLETS

FLT OR NONE

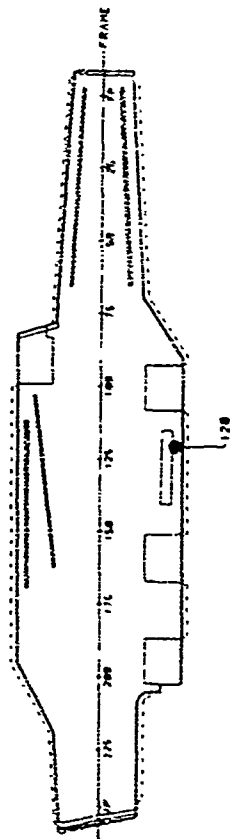
HCR OR NONE

NOTES PRESSURES (PSI)

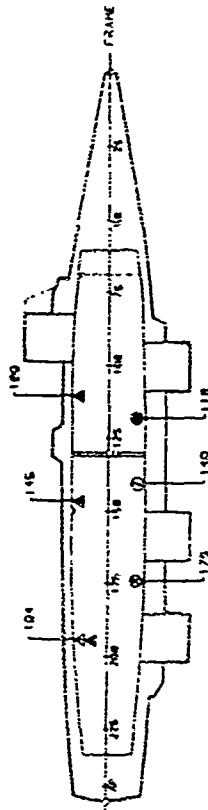
a. 1000 c. 2000 d. 2100 - 1000 e. 3500 f. 5000

b. 1000 d. 2000 f. 1000 h. 500

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- A GASEOUS OXYGEN (HCB #51)
 - B LIQUID OXYGEN
 - C GASEOUS NITROGEN (HCB #51)
 - D LIQUID NITROGEN (HCB #51)
 - E GASEOUS NITROGEN (HCB #51)
 - F LIQUID NITROGEN (HCB #51)

CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
9	Combat Readiness Station Service Summary	9
10	Combat Readiness Station Layout	10
11	Oxygen and Nitrogen Service Summary	11
12	Oxygen and Nitrogen Service Outlet Layout	12
13	Aircraft Inertial Alignment Outlet Box Summary	13
14	Aircraft Inertial Alignment Outlet Box Layout	14
15	Aircraft Cooling and Starting Air Outlet Summary	15
16	Aircraft Cooling and Starting Air Outlet Layout	16

LATEST CHECK - OCT 1977

USS KITTY HAWK

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

100Hz AIRCRAFT SERVICE

SERVICE OUTLETS

		FLT OK	PCR OK
1	400Hz, 30V, 115/200 VAC, 50kVA, Type I	NONE	NONE
2	100Hz, 0V, 115/200 VAC, 50kVA, Type III	NONE	NONE
3	400Hz, 30V, 115, 200 VAC, 50kVA, Type I	NONE	NONE
4	400Hz, 30V, 115/200 VAC, 50kVA, Type III	50	10

10/1/63

10/1/63

10/1/63

10/1/63

10/1/63

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10/1/63

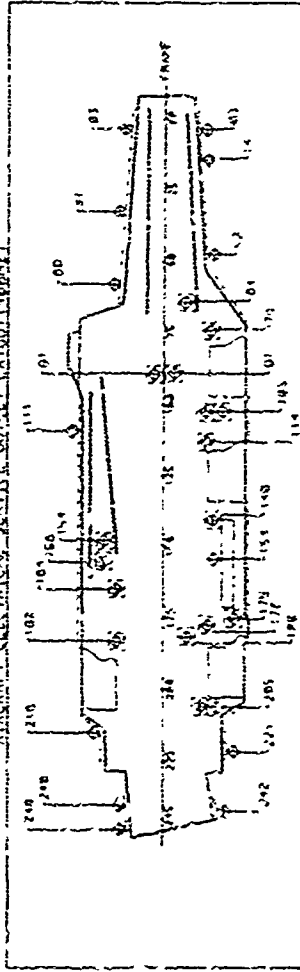
10/1/63

10/1/63

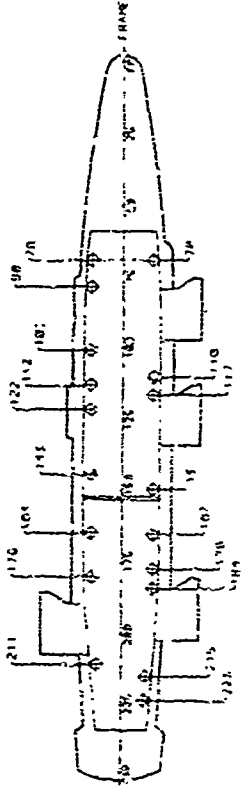
10/1/63

10/1/63

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (100H42)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 □ SYMBOL, 100, 115-200VAC, 100W, 115V
 ○ SYMBOL, 115-200VAC, 100W, 115V

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1 440 VAC 60Hz, 3PH, 25 AMP	FLY OK	WCR OK	
2 440 VAC, 0Hz, 3PH, 0.3 AMP	12	10	
3 440 VAC 00Hz 3PH, 100 AMP	NONE	NONE	
	20	14	
20 5 VDC A/C SERVICE AND START			
1 20 5 VDC, 200 AMP Continuous	NONE	NONE	
2 20 5 VDC, 300 AMP Cont, 000 to 000 A Inter	NONE	NONE	
3 20 5 VDC, 000 AMP Cont, 000 to 000 A Inter	NONE	NONE	
4 20 5 VDC, 300 AMP Cont, 050 to 1000 A Inter	10	2	
5 20 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE	

AVIATION FUEL SERVICE

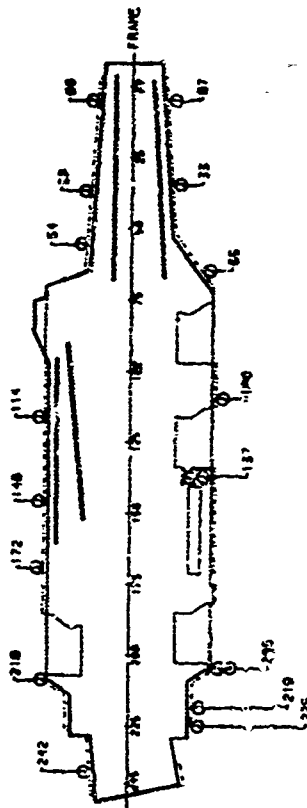
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL OSA	84,314	1,817,555
2 SERVICE OUTLETS	FLT OK 2 HGR OK 1	FLT OK 10 HGR OK 6
3 HOSES PER OUTLET	FLT OK 1 HGR OK 1	FLT OK 3 HGR OK 2
4 SERVICE GULLET CAPACITY, GPH/PSI	NOTE 1	200/50
a TWO OUTLETS OPERATING	100/50	200/50
b FOUR OUTLETS OPERATING	100/30	200/50
c SIX OUTLETS OPERATING	100/30	200/50
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

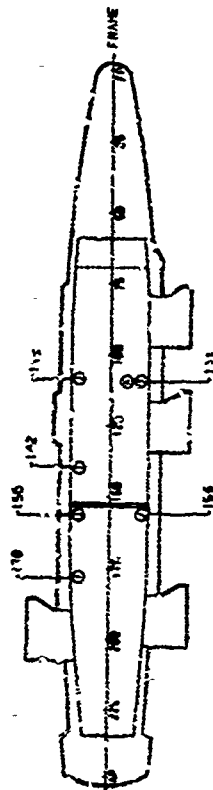
NOTES

1 1-1/2 HOSE AV/GAS, 2-1/2 HOSE JP-5

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

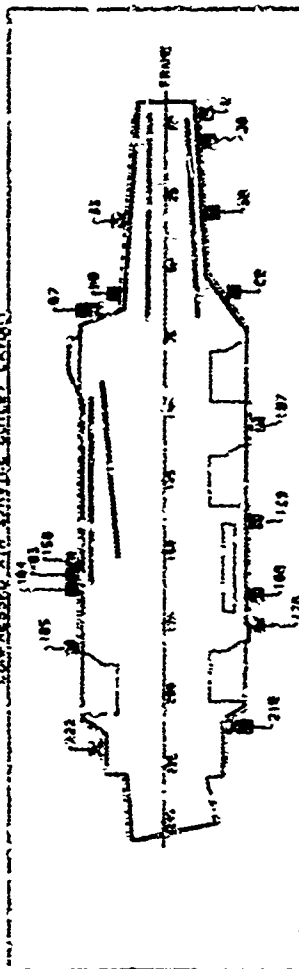
LEGEND
 ○ AV/GAS
 ● FUEL
 △ FUEL

COMPRESSED AIR SERVICE SUMMARY

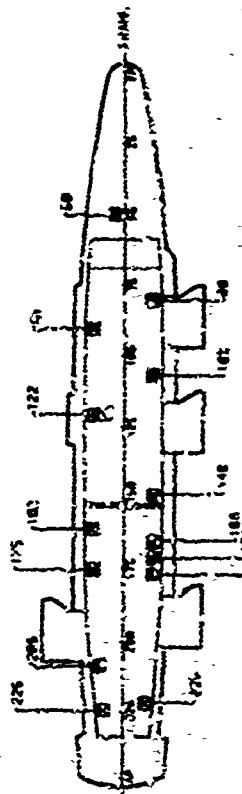
COMPRESSED AIR

LOW PRESSURE	PSI OR	HGR IN
1 SERVICE OUTLETS @ 100 PSI	10	15
REDUCED PRESSURE		
4 OUTLETS @ 100 PSI	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	0	NONE
TRIM CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

EXPRESSED AIR STIRLING CYCLE LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

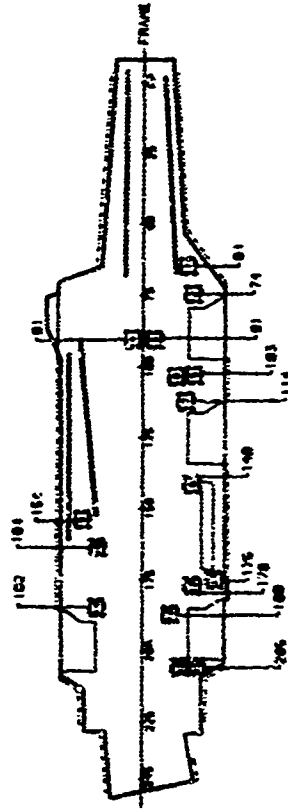
LEGEND
104 LOW PRESSURE AIR (100 PSI)
105 HIGH PRESSURE AIR (1000 PSI)

CV-64 UNS KITTY HAWK

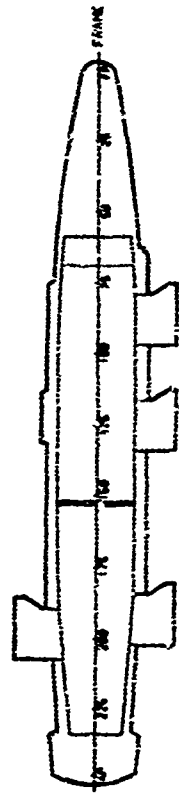
WFE
2025

—FAC—

COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



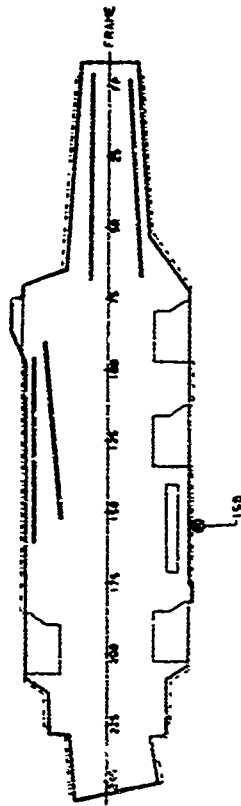
PLAN VIEW OF HANGAR DECK

LEGEND
 102 COMBAT READINESS STATION
 103 ACCESS

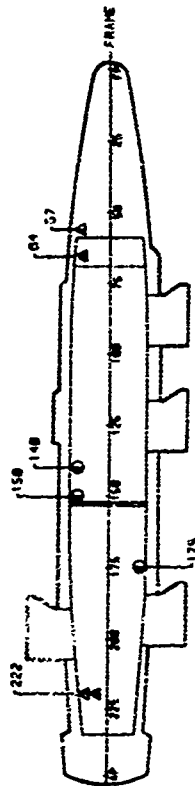
CV-63 USS KITTY HAWK

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1	STORAGE CAPACITY, LIQUID GALS	1500	
2	COMPRESSING CAPACITY GPM	15-20	
3	SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2
4	SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2 ⁰
NITROGEN			
1	STORAGE CAPACITY @ 5000 PSI	120 CU FT	
2	SERVICE OUTLETS	FLT DK 1 ¹	HGR DK 3 ¹
NITROGEN			
1	STORAGE CAPACITY @ 5000 PSI		
2	SERVICE OUTLETS	FLT DK	HGR DK
NOTES PRESSURES (PSI)			
a	1000 g 2000 p 3000 g 3500	h 5000	3000-5000
b	1000 d 2000 f 3000	h 500	

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



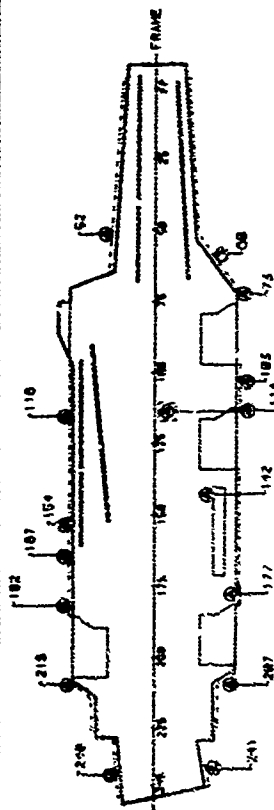
PLAN VIEW OF FLIGHT DECK



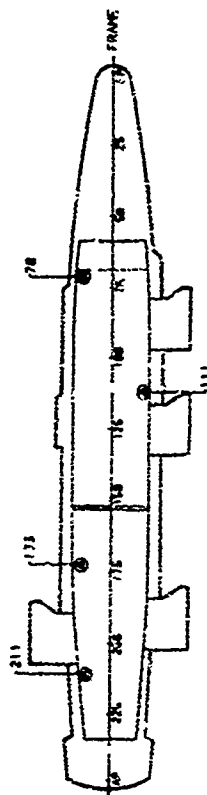
PLAN VIEW OF HANGAR DECK

- LEGEND:
 A CASUALTY OXYGEN 3000 PSI
 ▲ LIQUID OXYGEN
 ○ CASUALTY NITROGEN 3000 PSI
 ● CASUALTY NITROGEN 3000 PSI

PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
- RECEIVED

CV-83 USS KITTY HAWK

COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AIR

1 OUTLET CAPACITY

2 SERVICE OUTLETS

FLT DR B

HCR DR NONE

STARTING AIR

1 OUTLET CAPACITY

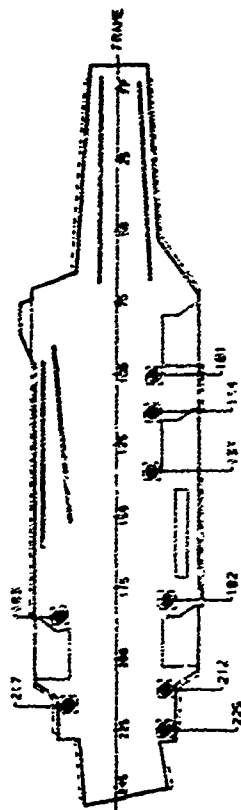
N/A

2 SERVICE OUTLETS

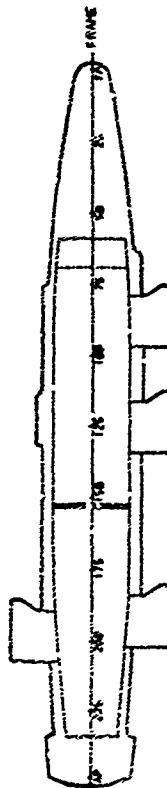
FLT DR NONE

HCR DR NONE

COPPING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● SERVICE, COOLING AIR
□ REFRESH

CV-63 USS KITTY HAWK

	CATEGORY	PAGE NO.
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUG 1978

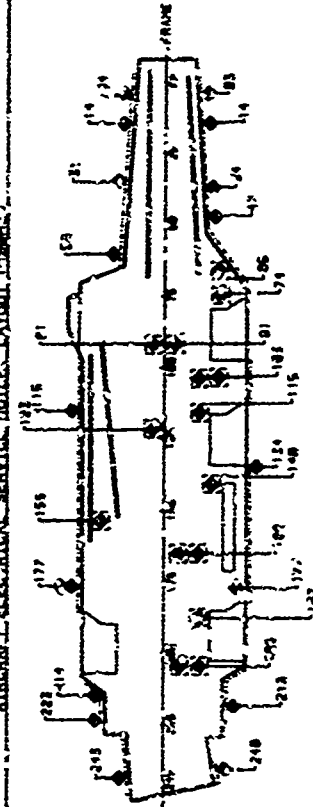
USS CONSTELLATION

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

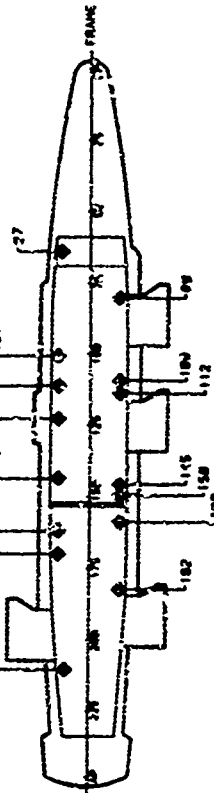
400Hz AIRCRAFT SERVICE

SERVICE OUTLET	FLT OK	ACR OK
1 400Hz, 3PH, 115/200 VAC, 20KVA, Type 1	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type 211	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 20KVA, Type 1	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 30KVA, Type 121	IS	IS

AIRCRAFT ELECTRICAL SERVICE DUTIES LAYOUT (1964-1)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

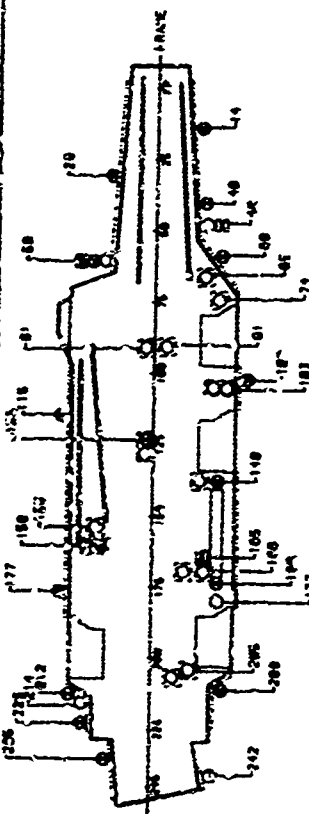
LEGEND

◆ 400V, 3PH, 115/200VAC, 60Hz, 119C 111

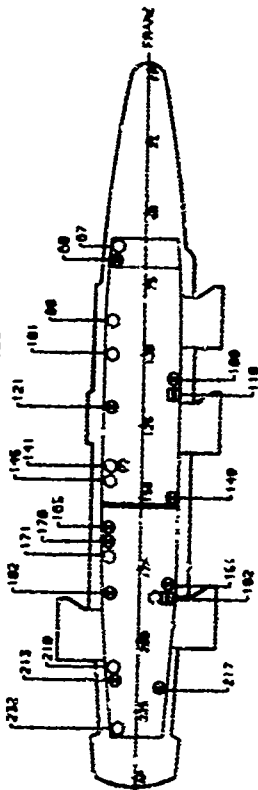
□ 115VAC

CV-64 USS CONSTELLATION

AIRCRAFT STAFF AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET 24VDC



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- 40VAC, 60HZ, 30A, 25AMP
- 40VAC, 60HZ, 30A, 100AMP
- 20.5VDC, 300AMP CNAI 10A 100AMP
- ▲ 100VAC, 60HZ, 30A, 100AMP

CV-64 USS CONSTELLATION

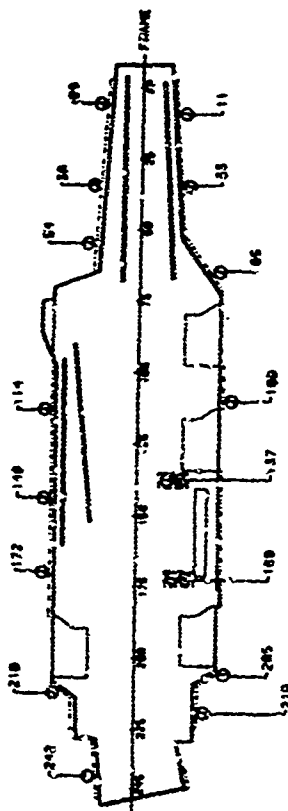
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

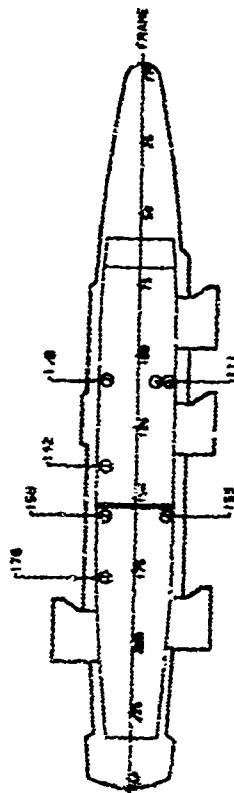
	AV/GAS	JP-5
1 CAPACITY GAL PER	18 JIB	1,700 JIB
2 REFUEL OUTLETS	PLT DR 2 HGR DR 1	PLT DR 10 HGR DR 6
3 HOSES PER OUTLET	SLV DR 2 HGR DR 1	PLT DR 4 HGR DR 2
4 SERVICE OUTLET CAPACITY GPM/PSI	400/40	200/40
5 TWO OUTLETS OPERATING	400/40	200/40
6 FOUR OUTLETS OPERATING	200/40	200/40
7 SIX OUTLETS OPERATING	200/40	200/40
8 DEFUELING CAPACITY PER SERVICE OUTLET GPM	100	100
9 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

NOTES
 1 JP-5 FLIGHT DECK STATIONS 5100 FR 33 AND PORT FR 172 ARE 3 HGR OUTLET STATIONS
 2 1 1/2" HOSE AV/GAS 2 1/2" HOSE JP-5

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
AVIATION
FUEL SERVICE
OUTLET
NAEC-ENC-0783

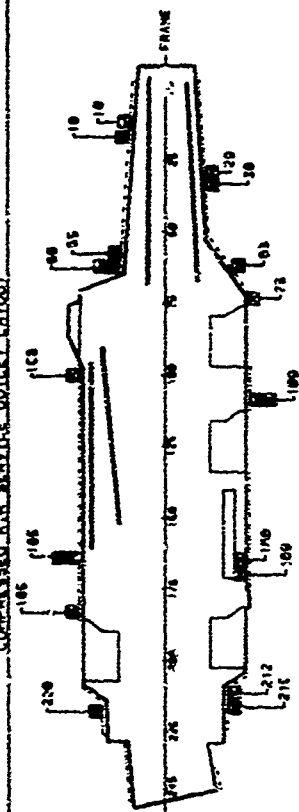
CV-01 USS CONSTELLATION

COMPRESSED AIR SERVICE SUMMARY

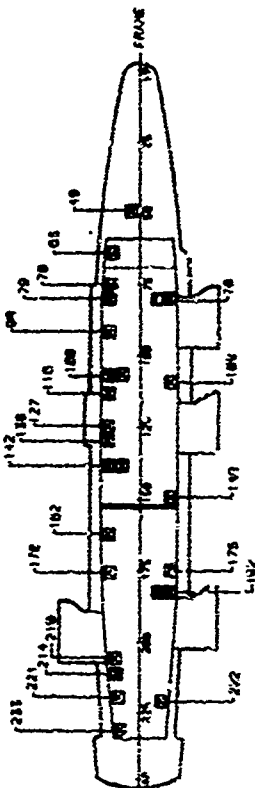
COMPRESSED AIR

LOW PRESSURE	FLT OK	HCN DF
1 SERVICE OUTLETS @ 125 PSI	8	17
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	12	3
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

COMPRESSED AIR SERVICE DUCT LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 [Symbol] LOW PRESSURE AIR, 125 PSI
 [Symbol] HIGH PRESSURE AIR, 200 PSI

CV-64 USS CONSTELLATION

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS 1,600

2 GENERATING CAPACITY CPM 22

3 SERVICE OUTLETS, LIQUID FLT OR NONE HCR OR J

4 SERVICE OUTLETS, GASEOUS FLT OR NONE HCR OR J¹⁰

NITROGEN

1 STORAGE CAPACITY at 5000 PSI OR CU FT

2 SERVICE OUTLETS FLT OR J¹ HCR OR J¹⁰, J¹¹, J¹²

NITROGEN

1 STORAGE CAPACITY at 3000 PSI NONE

2 SERVICE OUTLETS FLT OR NONE HCR OR NONE

NOTES PRESSURES (PSI)

a 1000 c 2000 e 2000 - 3000 g 3500 i 5000

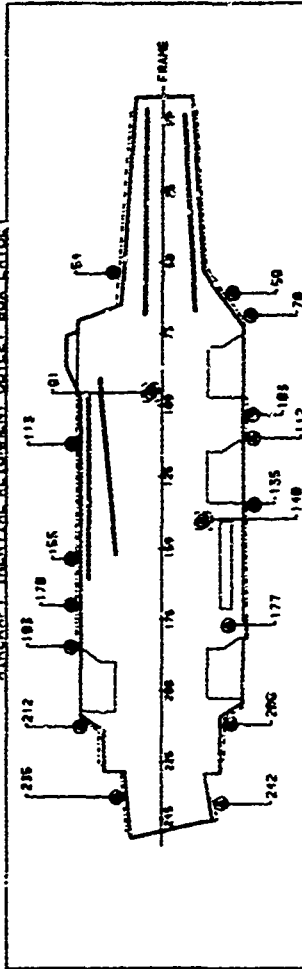
b 1000 d 2500 f 2000 h 500 j 1000 - 2000

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY

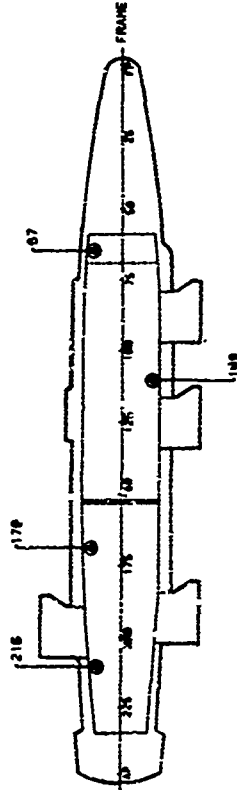
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
 L-1 NECESSARY

CV-64 USS CONSTELLATION

CATEGORY

PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
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9	Combat Readiness Station Service Summary	9
10	Combat Readiness Station Layout	10
11	Oxygen and Nitrogen Service Summary	11
12	Oxygen and Nitrogen Service Outlet Layout	12
13	Aircraft Inertial Alignment Outlet Box Summary	13
14	Aircraft Inertial Alignment Outlet Box Layout	14
15	Aircraft Cooling and Starting Air Outlet Summary	15
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LATEST CHECK - AUGUST 1974

USS ENTERPRISE

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400Hz AIRCRAFT SERVICE

SERVICE OUTLETS

FLT DK MCR DK

1 400Hz, 3PH, 115/200 VAC, 30kVA, Type I

0 NONE

2 400Hz, 3PH, 115/200 VAC, 40kVA, Type III

NONE NONE

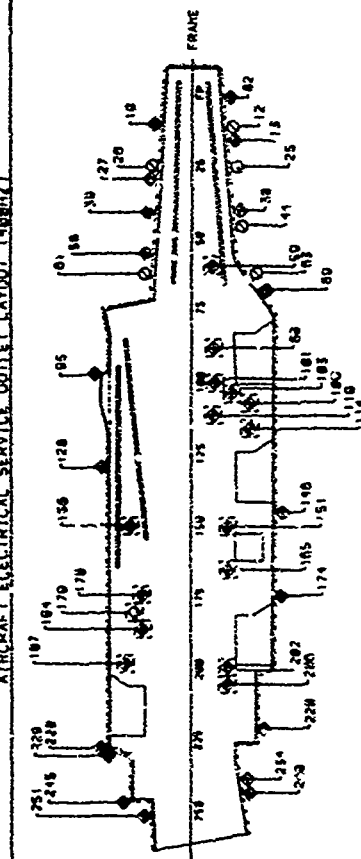
3 400Hz, 3PH, 115/200 VAC, 60kVA, Type I

NONE NONE

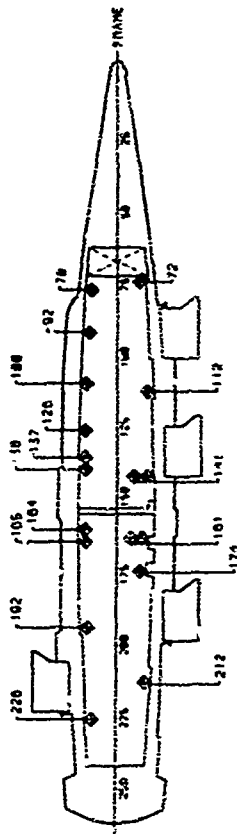
4 400Hz, 3PH, 115/200 VAC, 80kVA, Type III

35 10

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (408042)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- 400-2, 3PH, 115/200VAC, 30KVA, TYPE I
 - 400-2, 3PH, 115/200VAC, 60KVA, TYPE III
 - MISCELL

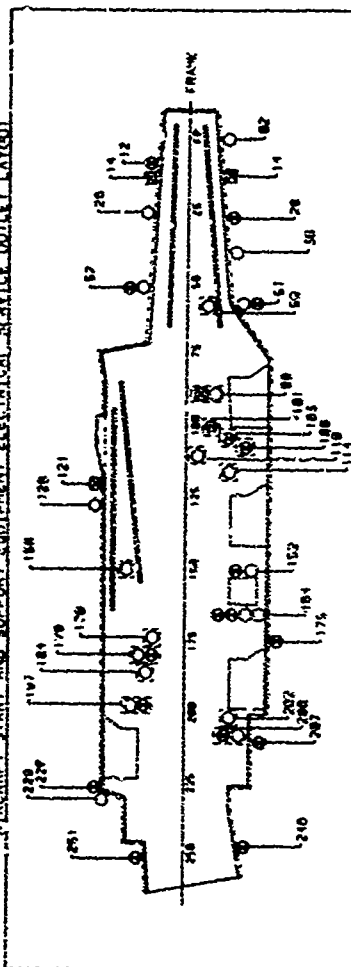
CV(N)-65 USS ENTERPRISE

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

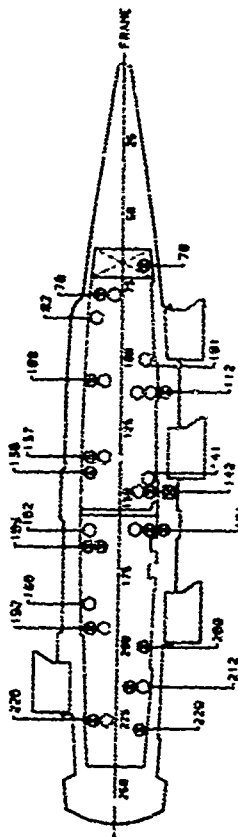
440 VAC SUPPORT EQUIPMENT SERVICE
20 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE	FLT DP	12A OK
1 440 VAC 60Hz, 2PH, 2E AMP	21	15
2 440 VAC, 60Hz, 3PH, 00 AMP	NONE	NONE
3 440 VAC, 60Hz, 3PH, 100 AMP	18	15
20 5 VDC A/C SERVICE AND START		
1 20 5 VDC, 200 AMP Continuous	NONE	NONE
2 20 5 VDC, 300 AMP Cont, 000 to 000 A Inter	4	1
3 20 5 VDC, 000 AMP Cont, 000 to 000 A Inter	NONE	NONE
4 20 5 VDC, 300 AMP cont, 050 to 1000 A Inter	NONE	NONE
5 20 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



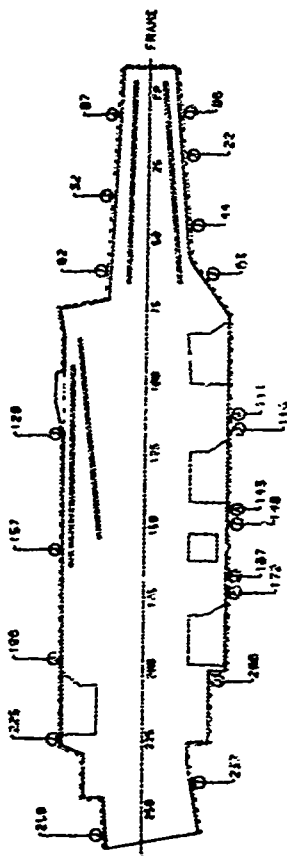
PLAN VIEW OF HANGAR DECK

- LEGEND
 ○ 440VAC, 60HZ, 3PH, 25 AMP
 ○ 440VAC, 60HZ, 3PH, 100AMP
 ○ 20 VDC, 100AMP COM 670-000A INTER
 ○ RECEIVED

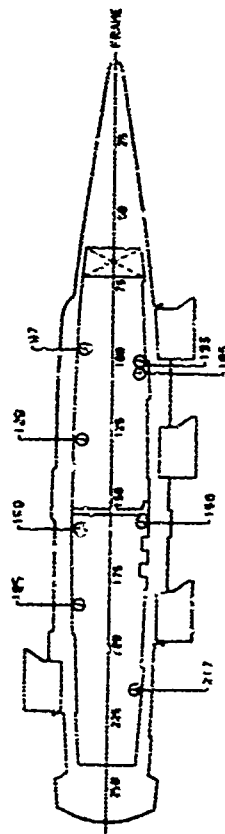
CVIN)-65 USS ENTERPRISE

AVIATION FUEL SERVICE			
AVIATION GASOLINE AND JP-5			
	AV/GAS	JP-5	
1 CAPACITY GAL GSE	95,058	2,205,037	
2 SERVICE OUTLETS	FLY CM 2 HOR IN 1	FLY CM 2 HOR CM 7	
3 HOSES PER OUTLET	1	4 (NOTE 1)	
4 SERVICE OUTLET CAPACITY, GPM/PSI	100/35	200/45	
a TWO OUTLETS OPERATING	100/35	200/45	
b FOUR OUTLETS OPERATING	100/35	200/45	
c SIX OUTLETS OPERATING	100/35	200/45	
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	100	
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25	
NOTED NOTE 1 JP-5 STAS FLY CM PORT FRS 120, 157, 100, STMO 140, AND 107 ARE TWO HOSE STAS JP-5 STAS FLY CM PORT FRS 225 AND STMO 115 ARE 3 HOSE STAS			
NOTE 2 1-1/2" HOSE AV/GAS, 2-1/2" HOSE JP-5			

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ AVIATION
 ○ FUEL

CVN-78 USS ENTERPRISE

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE		FLT OK	HGR OK
1 SERVICE OUTLETS @ 100 PSI		10	11
REDUCED PRESSURE			
1 SERVICE OUTLETS @		NONE	NONE
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI		1	2
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)		NONE	NONE
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI		0	1
TIME CHANGING AIR			
1 SERVICE OUTLETS @ 500 PSI		NONE	NONE

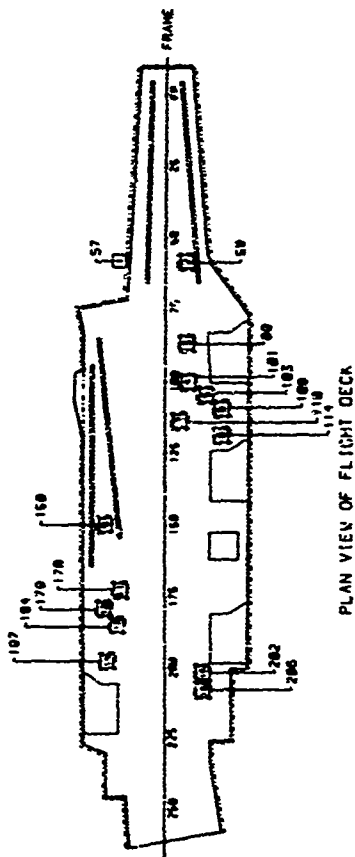
PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

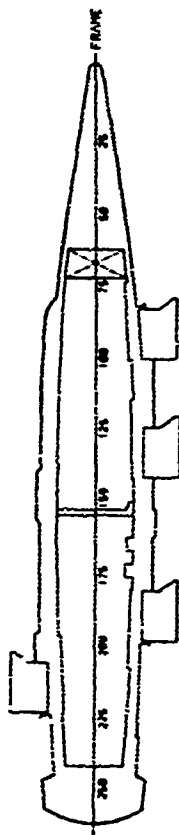
LEGEND

LOW PRESSURE AIR, 100 PSI
MEDIUM PRESSURE AIR, 1000 PSI
HIGH PRESSURE AIR, 5000 PSI

COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



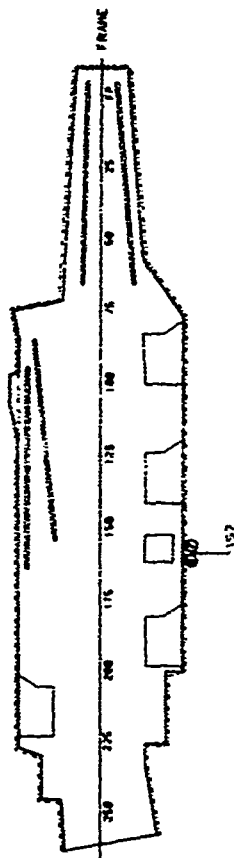
PLAN VIEW OF HANGAR DECK

LEGEND
☐ COMBAT READINESS STATION
☐ NECESSARY

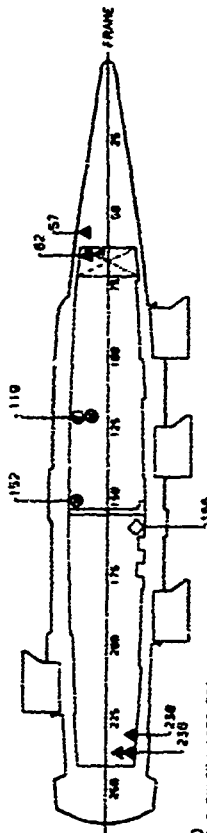
CV(N)-65 USS ENTERPRISE

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	1,500		
2 GENERATING CAPACITY GPM	30		
3 SERVICE OUTLETS, LIQUID	FLT OK NONE	HCR OK 2	
4 SERVICE OUTLETS, GASEOUS	FLT OK NONE	HCR OK 2 ^a , 2 ^b	
NITROGEN			
1 STORAGE CAPACITY @ 5000 PSI	815 cu ft - 2000 Gal	Liquid	
2 SERVICE OUTLETS	FLT OK 1 ^c , 1 ^d	HCR OK 1 ^a , 1 ^b , 1 ^c , 1 ^d	
NITROGEN			
1 STORAGE CAPACITY @ 3000 PSI	NONE		
2 SERVICE OUTLETS	FLT OK NONE	HCR OK NONE	
NOTES PRESSURES (PSI)			
a 1000 @ 2000 - 3000	0 3500	1 5000	
b 1000 @ 2000 - 3000	h 500		

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ CASEOUS OXYGEN 1800 PSI
 - ▲ CASEOUS OXYGEN 2800 PSI
 - ▲ LIQUID OXYGEN
 - CASEOUS NITROGEN 1800 PSI
 - CASEOUS NITROGEN 2800 PSI
 - CASEOUS NITROGEN 3800 PSI
 - CASEOUS NITROGEN 4800 PSI
 - ◇ CASEOUS NITROGEN 5800 PSI

CVIN-85 USS ENTERPRISE

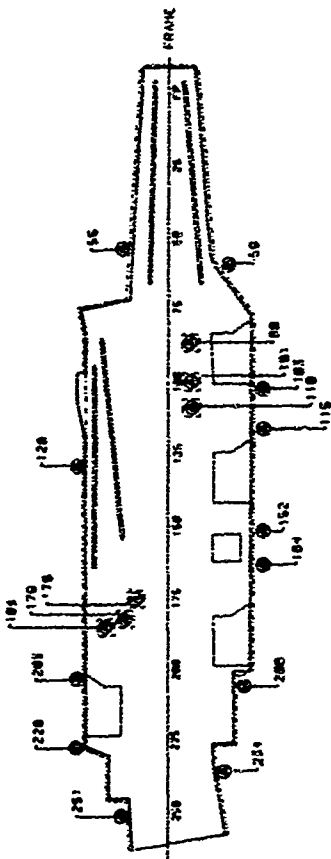
AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY

AIRCRAFT INERTIAL ALIGNMENT SYSTEM

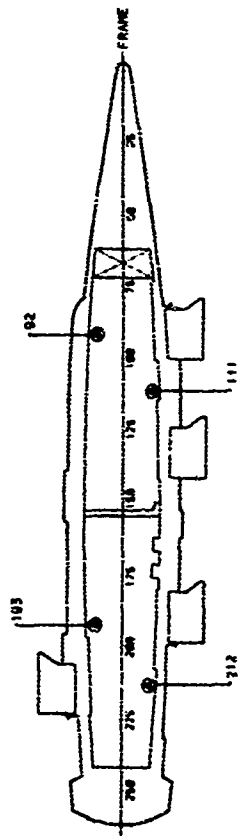
	FLT OK	HCR OK
1 ALIGNMENT OUTLET BOXES (ANALOG/DIGITAL)	10 (NOTE 11)	9

NOTE 1 RECESSED OUTLETS FOR NOS 181, 118, 518U A, FR NO 170, 179, 184 PORT ALIGNMENT BOXES ARE NOT IN HATCH, CABLES ARE RUN FROM COMPARTMENT 03 LEVEL

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

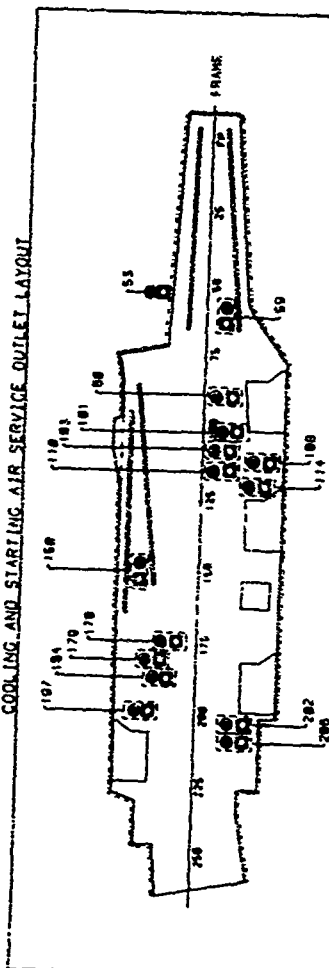
LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
□ NOT REQUIRED

CV(N)-65 USS ENTERPRISE

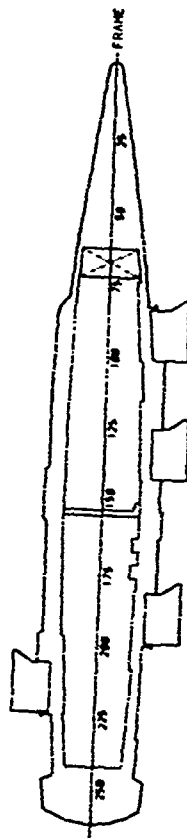
COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AIR		
1 OUTLET CAPACITY	SEE NOTE	
2 SERVICE OUTLETS	FLT DK 15	HCR DK NONE
STARTING AIR		
1 OUTLET CAPACITY	SEE NOTE	
2 SERVICE OUTLETS	FLT DK 15	HCR DK NONE
NOTE AIR START/COOLING SYSTEM IS OUT OF COMMISSION INDEFINITELY		

COOLING AND STARTING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● SERVICE - COOLING AIR
○ SERVICE - STARTING AIR
□ RECESSED

CV(NI)-65 USS ENTERPRISE

PAGE NO.

CATEGORY

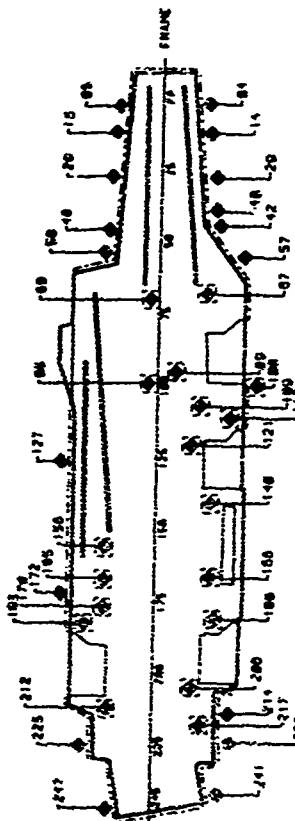
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
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3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
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8	Compressed Air Service Outlet Layout	8
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15	Aircraft Cooling and Starting Air Outlet Summary	15
16	Aircraft Cooling and Starting Air Outlet Layout	16

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PAGE CV-05-3

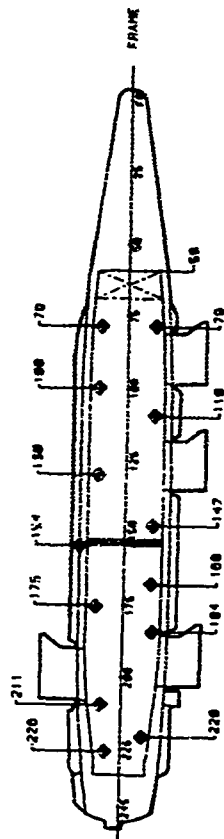
LATEST CHECK - OCTOBER 1975

USS AMERICA

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (48842)



PLAN VIEW OF FLIGHT DECK



LEGEND
◆ 400 Hz 3PH, 115/200 VAC, 80kVA, Type III
□ ACCESS

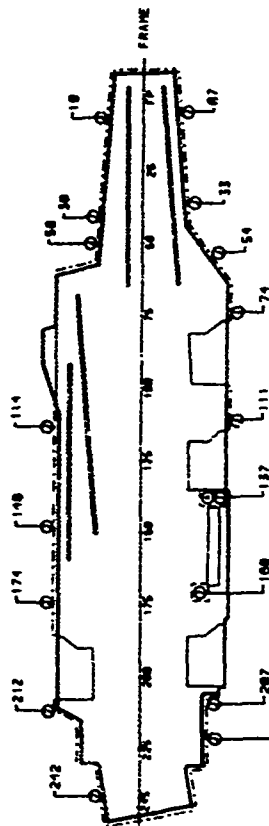
PLAN VIEW OF HANGAR DECK

CV-88 USS AMERICA

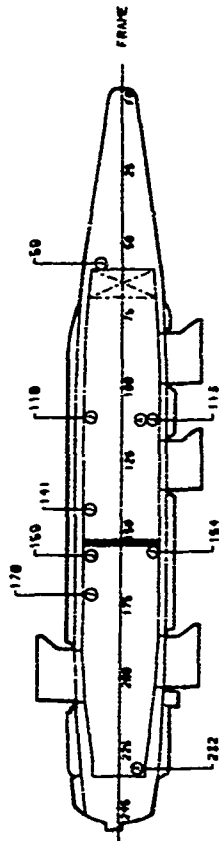
A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
448 VAC SUPPORT EQUIPMENT SERVICE			
28 5 VDC A/C SERVICE AND START			
448 VAC SUPPORT EQUIPMENT SERVICE			
	FLT DR	HCR DR	
1 448 VAC 60Hz, 5PH, 25 AMP	21	18	
2 448 VAC, 60Hz, 5PH, 68 AMP	NONE	NONE	
3 448 VAC, 60Hz, 5PH, 188 AMP	10	13	
28 5 VDC A/C SERVICE AND START			
1 28 5 VDC, 200 AMP Continuous	NONE	NONE	
2 28 5 VDC, 340 AMP Cont, 000 to 000 A Inter	NONE	NONE	
3 28 5 VDC, 600 AMP Cont, 000 to 000 A Inter	NONE	NONE	
4 28 5 VDC, 800 AMP cont, 050 to 1000 A Inter	9	2	
5 28 5 VDC, 650 AMP Cont, 050 to 1000 A Inter	NONE	NONE	

AVIATION FUEL SERVICE		
AVIATION GASOLINE AND JP-5		
	AV/GAS	JP-5
1 CAPACITY GAL 953	9,483	1,077,870
2 SERVICE OUTLETS	FLT DK 1 HCR DK 1	FLT DK 17 HCR DK 8
3 HOSES PER OUTLET	NOTE 2	NOTE 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	NOTE 1
a TWO OUTLETS OPERATING	90/35	200/35
b FOUR OUTLETS OPERATING	N/A	200/35
c SIX OUTLETS OPERATING	N/A	200/35
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25
NOTES		
1 1 1/2" hose AV/GAS, 2 1/2" JP-5		
2 AV/GAS From 111 STD HCR DK 10 & 2 hose station		

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
○ AVIATION
○ FUEL
○ SERVICE
○ OUTLET

CV-66 USS AMERICA

COMPRESSED AIR SERVICE SUMMARY

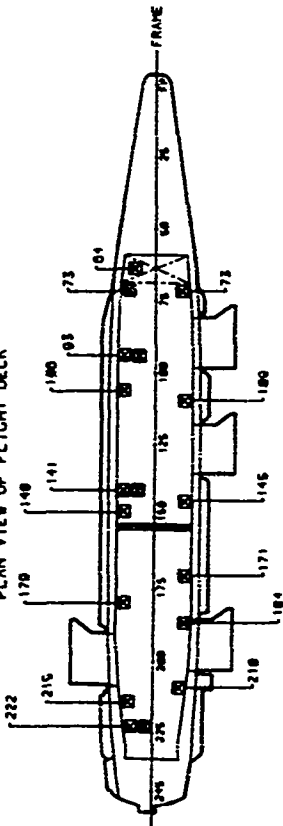
COMPRESSED AIR

LOW PRESSURE	FLT DR	MCR DR
1 SERVICE OUTLETS @ 100 PSI	5	12
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	4	3
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 1000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	7	3
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 [Symbol] LOW PRESSURE AIR, 100 PSI
 [Symbol] MEDIUM PRESSURE AIR, 1800 PSI
 [Symbol] HIGH PRESSURE AIR, 2000 PSI

CV-66 USS AMERICA

COMBAT READINESS STATION SERVICE SUMMARY

[illegible]

PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

LEGEND
 [] COMBAT READINESS STATION
 [] NECESSARY

CV-66 USS AMERICA

PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

CV-66 USS AMERICA

LEGEND
☐ COMBAT READINESS STATION
 DT, NECESSARY

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS	1500	
2 GENERATING CAPACITY GPH	35	
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 2
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 2 ^d

NITROGEN

1 STORAGE CAPACITY @ 5000 PSI	88 cu ft	
2 SERVICE OUTLETS	FLT DK 2 ^f	HCR DK 2 ^f , 1 ^h , 1 ⁿ

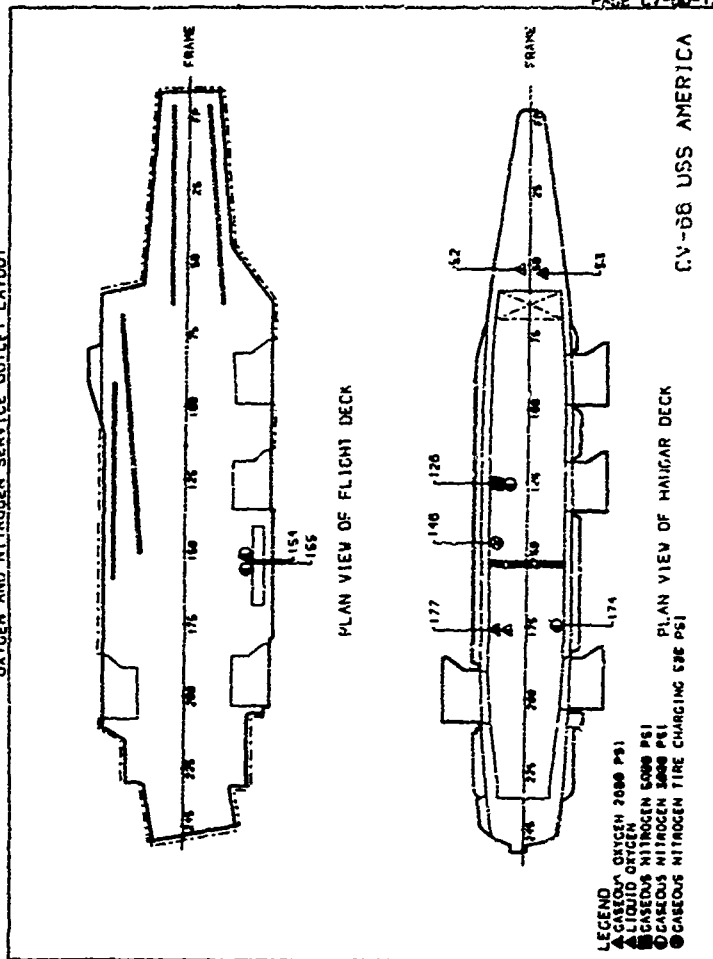
NITROGEN

1 STORAGE CAPACITY @ 3000 PSI	NONE	
2 SERVICE OUTLETS	FLT DK NONE	HCR DK NONE

NOTES PRESSURES (PSI)

a 1000	c 2000	e 2500	g 3000	i 3500	k 5000
b 1000	d 2000	f 2500	h 3000	j 3500	l 5000

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



CV-66 USS AMERICA

COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AIR

1 OUTLET CAPACITY 50 PPM, 3.5 PSIG, 50° F

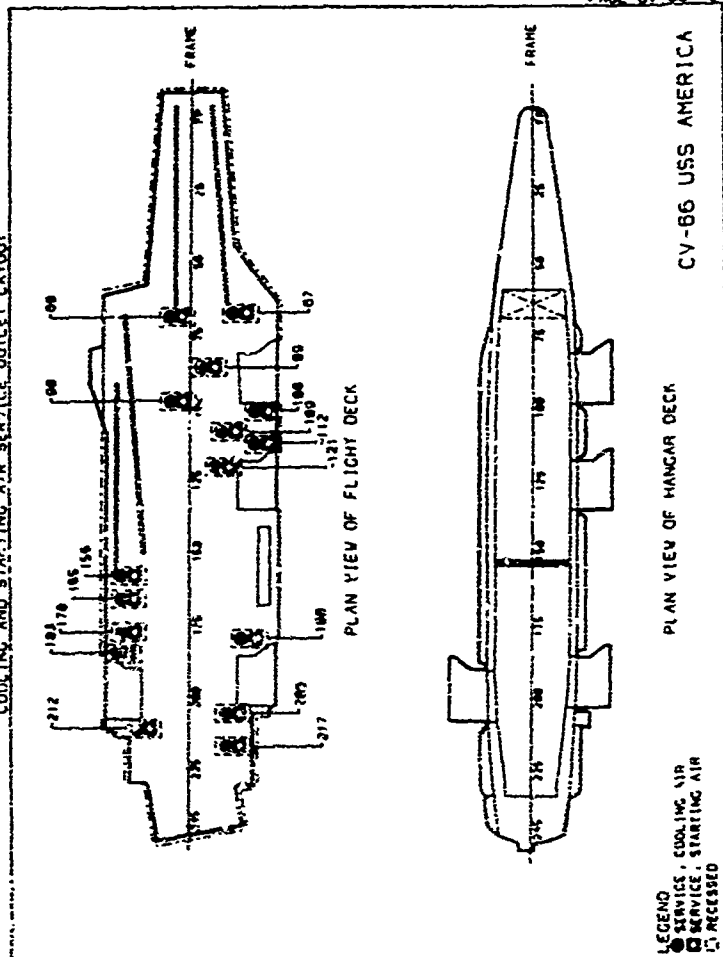
2 SERVICE OUTLETS FLT OK 10 HCR OK NONE

STARTING AIR

1 OUTLET CAPACITY RATIO 3.2 to 1
FLUX 120 PPM 48-53 PSIA 140-145° F
100 PPM 75-85 PSIA 175° F
193 PPM 75-85 PSIA 185° F

2 SERVICE OUTLETS FLT OK 10 HCR OK NONE

COOLING AND STARTING AIR SERVICE OUTLET LAYOUT



	<u>CATEGORY</u>	<u>PAGE NO.</u>
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
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LATEST CHECK - APRIL 1980

USS JOHN F KENNEDY

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400Hz AIRCRAFT SERVICE

SERVICE OUTLETS

FLT OK

HCR OK

1 400Hz, 3PH, 115/200 VAC, 50KVA, Type I

NONE

NONE

2 400Hz, 3PH, 115/200 VAC, 50KVA, Type III

NONE

NONE

3 400Hz, 3PH, 115/200 VAC, 50KVA, Type I

5

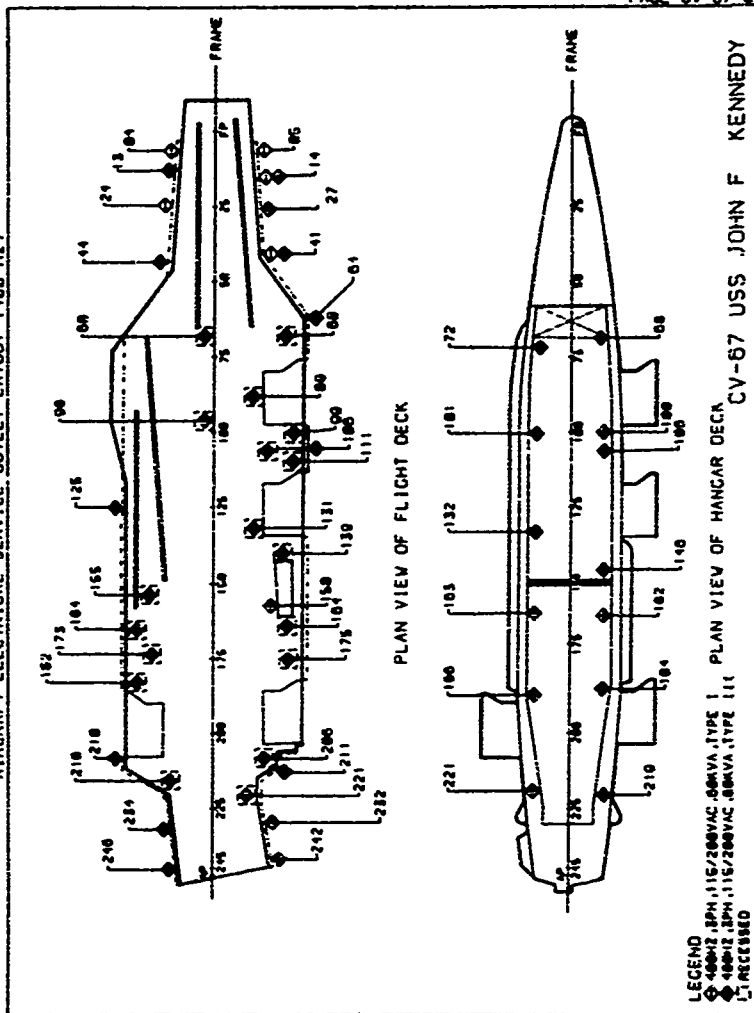
NONE

4 400Hz, 3PH, 115/200 VAC, 50KVA, Type III

33

13

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (488 M2)



A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	HEC DK
1	440 VAC 60Hz, 3PH, 25 AMP	22	15
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	11	11
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 200 AMP Continuous	NONE	NONE
2	20 5 VDC, 300 AMP Cont, 000 to 000 A Inter	NONE	NONE
3	20 5 VDC, 000 AMP Cont, 000 to 000 A Inter	NONE	NONE
4	20 5 VDC, 100 AMP cont, 000 to 1000 A Inter	0	2
5	20 5 VDC, 050 AMP Cont, 000 to 1000 A Inter	NONE	NONE

AVIATION FUEL SERVICE

JP-5

1 CAPACITY GAL. 954 1,822 #24

2 SERVICE OUTLETS FLT DK 18
 HGR DK 7

3 HOSES PER OUTLET FLT DK 4
 HGR DK 2

4 SERVICE OUTLET CAPACITY, GPM/PSI NOTE 1 200/30

a TWO OUTLETS OPERATING 200/30

b FOUR OUTLETS OPERATING 200/30

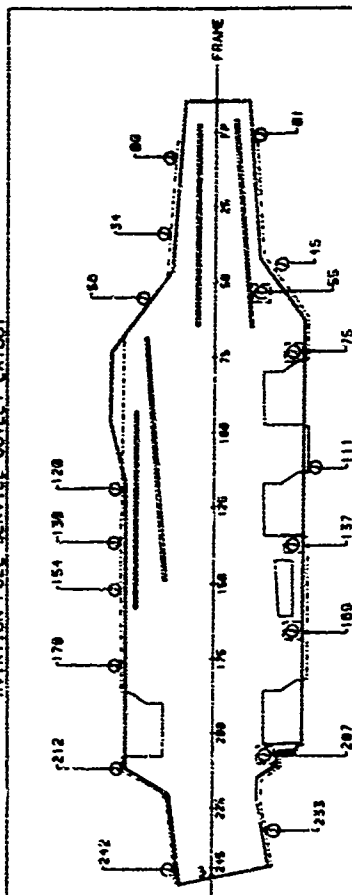
c SIX OUTLETS OPERATING 200/30

5 DEFUELING CAPACITY PER SERVICE OUTLET GPM 50

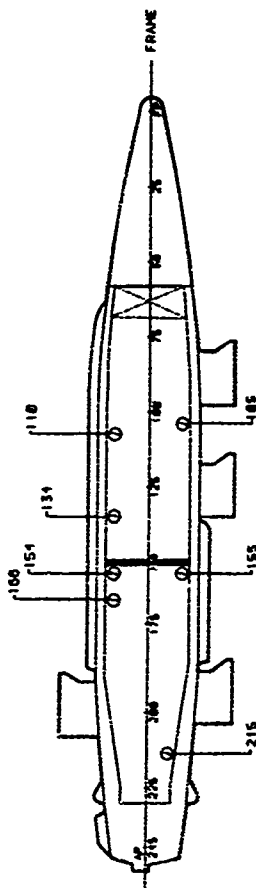
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM 25

NOTE
 1 2-1/2" HOSE JP-5

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



LEGEND
O JP-6
L RECESSED

PLAN VIEW OF HANGAR DECK

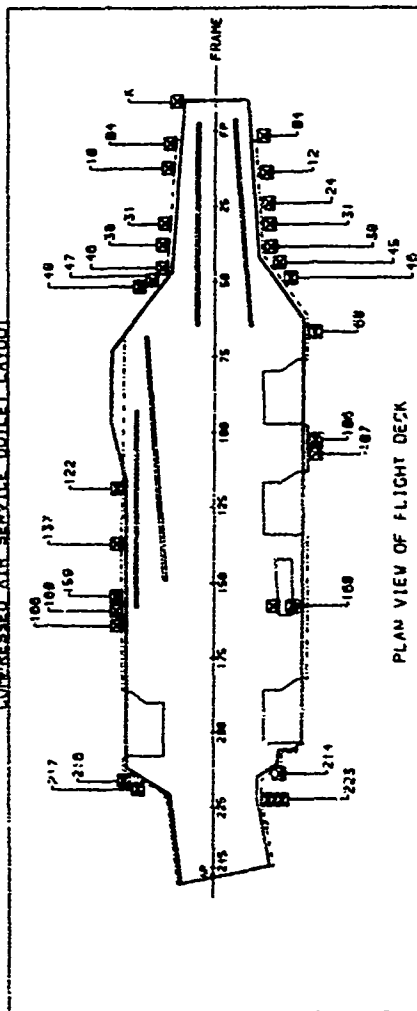
CV-67 USS JOHN F KENNEDY

COMPRESSED AIR SERVICE SUMMARY

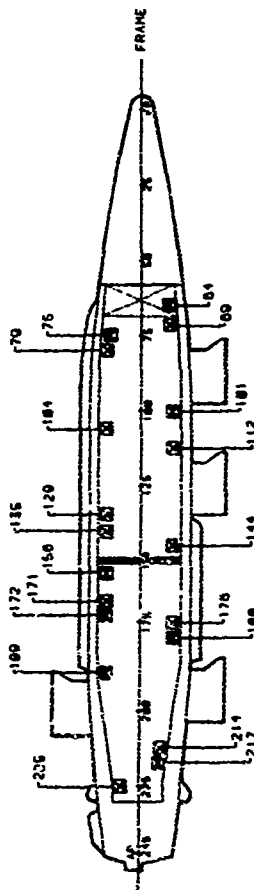
COMPRESSED AIR

LOW PRESSURE	FLT OK	MCR OK
1 SERVICE OUTLETS •	10	11
REDUCED PRESSURE	NONE	5
1 SERVICE OUTLETS •		
MEDIUM PRESSURE		
1 SERVICE OUTLETS • 1000 PSI	3	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS • 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS • 3000 PSI	11	3
TIRE CHANGING AIR		
1 SERVICE OUTLETS •	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

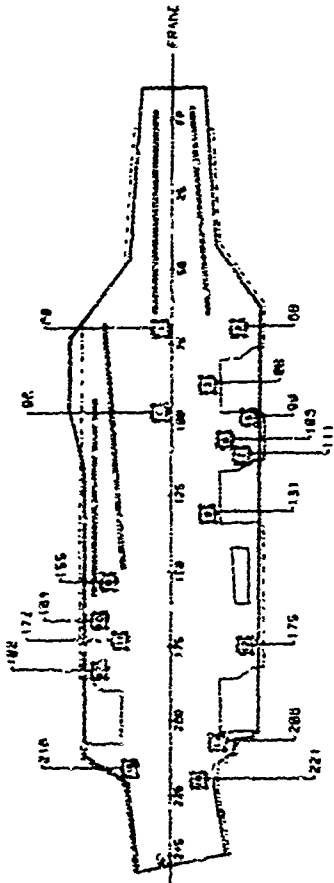
CV-67 USS JOHN F. KENNEDY

LEGEND
 [Symbol] LOW PRESSURE AIR, 100-150 PSI
 [Symbol] MEDIUM PRESSURE AIR, 1000 PSI
 [Symbol] HIGH PRESSURE AIR, 1000 PSI
 [Symbol] REDUCED PRESSURE AIR, 200 PSI

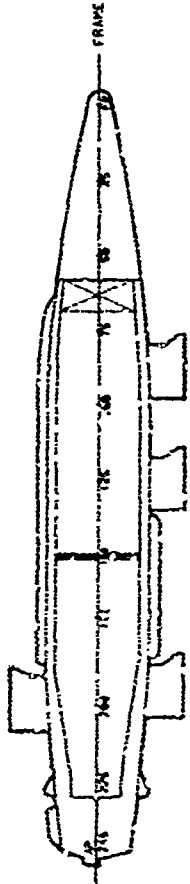
COMBAT READINESS STATION SERVICE SUMMARY

[illegible]

COMBAT READINESS STATION LAYOUT



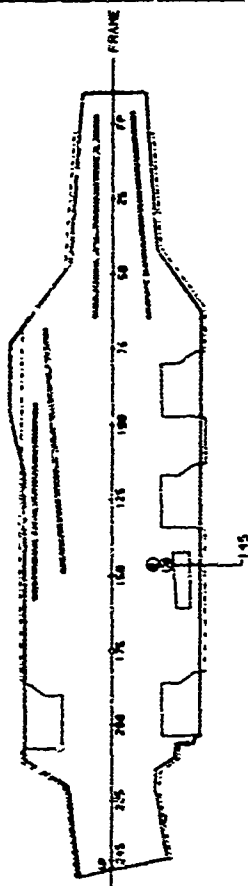
PLAN VIEW OF FLIGHT DECK



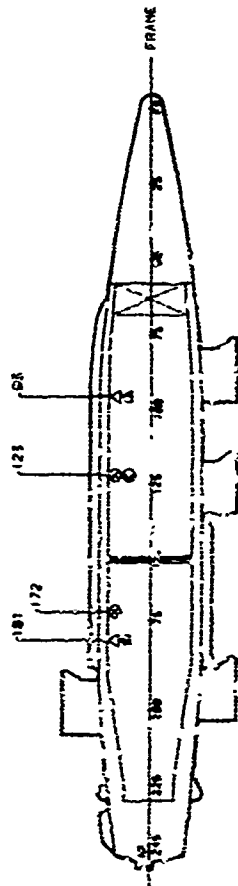
LEGEND
 [Symbol] COMBAT READINESS STATION
 [Symbol] UNOCCUPIED
 PLAN VIEW OF HANGAR DECK
 CV-07 USS JOHN F. KENNEDY

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	3000		
2 DEMONSTRATING CAPACITY, GPM	32		
3 SERVICE OUTLETS, LIQUID	FLT DK NAME	OCR DK 2	
4 SERVICE OUTLETS, GAS/SLUR	FLT IN NAME	OCR DK 2 ^b	
NITROGEN			
1 STORAGE CAPACITY @ 5000 PSI	40 cu ft		
2 SERVICE OUTLETS	FLT DK 1 ^a , 1 ^f	OCR DK 2 ^a , 1 ^f	
NITROGEN			
1 STORAGE CAPACITY @ 3000 PSI	NONE		
2 SERVICE OUTLETS	FLT DK NONE	OCR DK NONE	
NOTES PRESSURES (PSI)			
a 1000 c 2000 e 2000 - 2000	0 3500	f 5000	
b 1000 d 2000 f 3200	h 500		

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

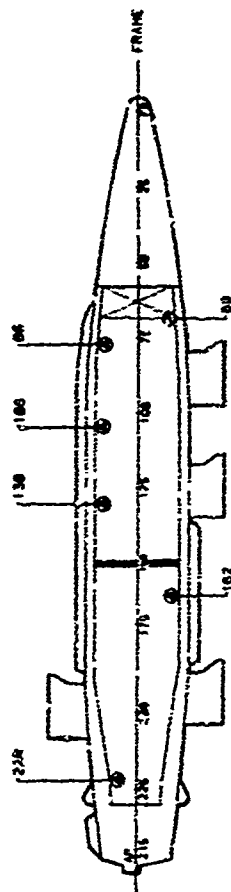


LEGEND
A GASEOUS OXYGEN 15.30 PSI
B LIQUID OXYGEN 22.5 1800 PSI
C GASEOUS NITROGEN 3000 PSI

PLAN VIEW OF HANGAR DECK

CJ-67 USS JOHN F KENNEDY

PLAN VIEW OF FLICKER NEST



LEGEND
ALICANT OUTLET BOX ANALOGUE DIGITAL
INCEDED

PLAN VIEW OF HAZARD DECK

CV-87 US: JOHN F KENNEDY

COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AND STARTING AIR OUTLET SUMMARY				
COOLING AIR				
1	OUTLET CAPACITY	50 PPM, 5 PSIG, 35° F		
2	SERVICE OUTLETS	FLT OK 10		HCR OK NONE
STARTING AIR				
1	OUTLET CAPACITY	RATIO 5 3 10 6 6 10	ELON 100-150 PPM 100-250 PPM	PRESSURE 40 to 82 PSIG 80 to 91 PSIG TEMP. 210° to 425° F 350° to 600° F
2	SERVICE OUTLETS	FLT OK 10		HCR OK NONE

PAGE NO.

CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
9	Combat Readiness Station Service Summary	9
10	Combat Readiness Station Layout	10
11	Oxygen and Nitrogen Service Summary	11
12	Oxygen and Nitrogen Service Outlet Layout	12
13	Aircraft Inertial Alignment Outlet Box Summary	13
14	Aircraft Inertial Alignment Outlet Box Layout	14
15	Aircraft Cooling and Starting Air Outlet Summary	15
16	Aircraft Cooling and Starting Air Outlet Layout	16

LATEST CHECK - AUGUST 1970

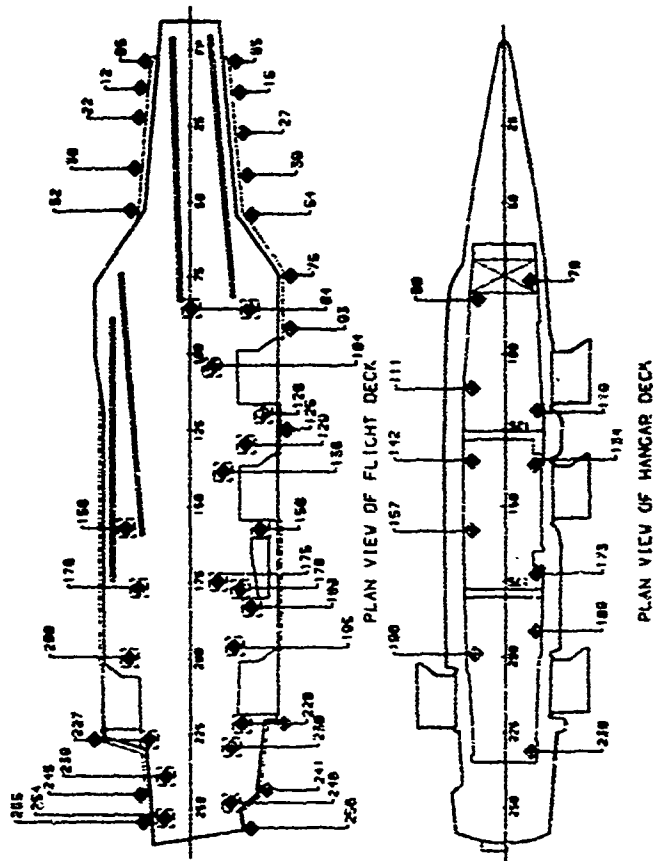
USS CHESTER W NIMITZ

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

100MHZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT OK	HCR OK
1 400Hz, 3PH, 115/200 VAC, 30kVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30kVA, Type III	NONE	NONE
3 400Hz, 3P-1, 115/200 VAC, 30kVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 30kVA, Type III	30	11

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT 1400 HZ

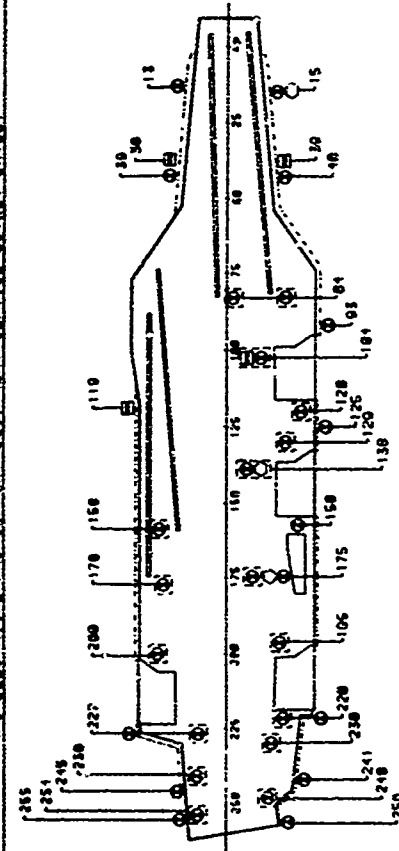


LEGEND
100-280, 3PH, 115/200VAC, 60KVA, TYPE III
CIRCLED

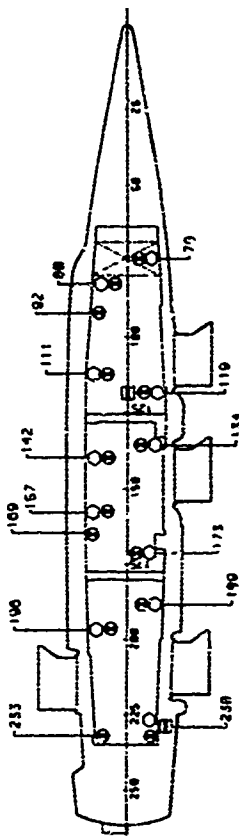
CV(N)-68 USS CHESTER V NIMITZ

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
140 VAC SUPPORT EQUIPMENT SERVICE	FLT DK	HGR DK	
1 440 VAC 60Hz, 3PH, 25 AMP	3	11	
2 440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE	
3 440 VAC, 60Hz, 3PH, 100 AMP	31	14	
28 5 VDC A/C SERVICE AND START			
1 28 5 VDC, 200 AMP Continuous	NONE	NONE	
2 28 5 VDC, 300 AMP Cont, 050 to 080 A Inter	NONE	NONE	
3 28 5 VDC, 600 AMP Cont, 050 to 080 A Inter	NONE	NONE	
4 28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	4	2	
5 28 5 VDC, 350 AMP Cont, 050 to 1000 A Inter	NONE	NONE	

A/C ELECTRICAL AND SUPPORT EQUIPMENT SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF INNARD DECK

- LEGEND
- 440VAC, 60HZ, 3PH, 25AMP
 - 440VAC, 60HZ, 3PH, 100AMP
 - 28 VDC, 100AMP CONT, 850-1000A INTER
 - RECESSED

CV(N)-68 USS CHESTER W NIMITZ

AVIATION FUEL SERVICE

JP-5

1 CAPACITY GAL 55X 3,180.012

2 SERVICE OUTLETS FLT DK 14
HCR DK 0

3 HOSES PER OUTLET NOTE 1 HCR DK 2

4 SERVICE OUTLET CAPACITY, GPM/PSI NOTE 2 200/10

a TWO OUTLETS OPERATING 200/10

b FOUR OUTLETS OPERATING 200/10

c SIX OUTLETS OPERATING 200/10

5 REFUELING CAPACITY PER SERVICE OUTLET GPM 100

6 DEFUELING CAPACITY PER PORTABLE PUMP GPM 50

NOTES
1 FLT DK STATING, 3 HOSE, 03-0-2, 03-32-2, 03-0-1, 03-31-1, 03-A3-1, 4 HOSE 03-230-2, 03-237-1
2 2-1/2" HOSE JP-5

PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

LEGEND
 Q JP-5
 Q ACCESS

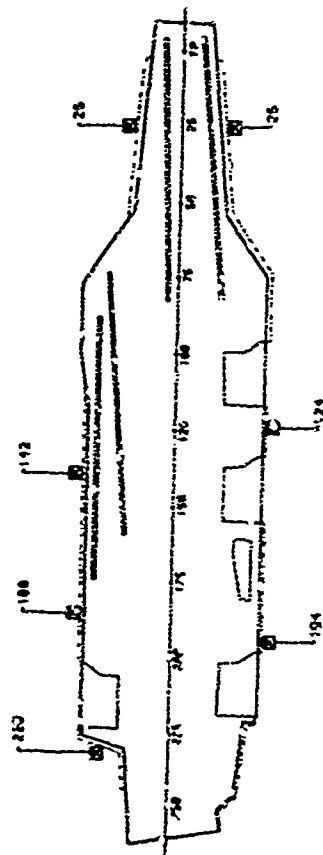
CV(N)-88 USS CHESTER W NIMITZ

COMPRESSED AIR SERVICE SUMMARY

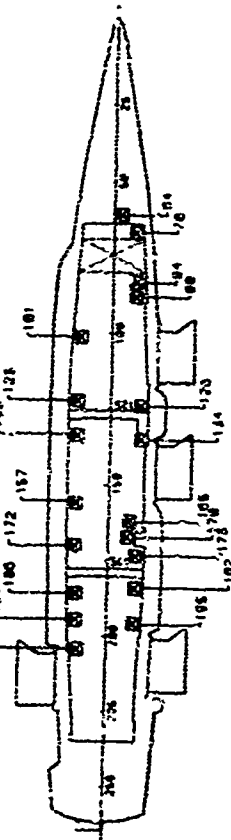
COMPRESSED AIR

LOW PRESSURE	FLT OK	HEC OK
1 SERVICE OUTLETS @ 125 PSI	7	19
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TINE CHARGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

LOW PRESSURE AIR, 125 PSI

CVIN)-88 USS CHESTER W NIMITZ

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS

11,100

2 CONCENTRATION, CAPACITY GPH

10

3 SERVICE OUTLETS, LIQUID

FLT DN 50#

NCR DN 2

4 SERVICE OUTLETS, GASEOUS

FLT DN 40#

NCR DN 10

NITROGEN

1 STORAGE CAPACITY, LIQUID GALS

2,200

2 SERVICE OUTLETS

FLT DN 30

NCR DN 10

NITROGEN

1 STORAGE CAPACITY @ 1000 PSI

2 SERVICE OUTLETS

FLT DN

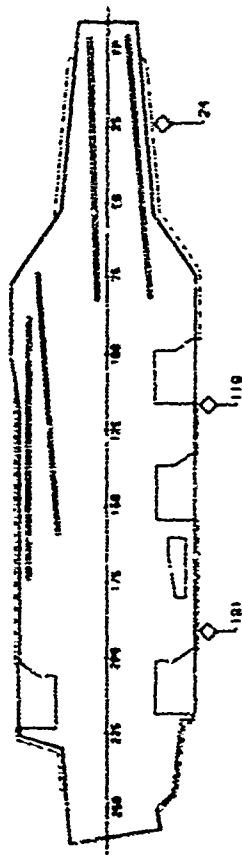
NCR DN

NOTES PRESSURES (PSI)

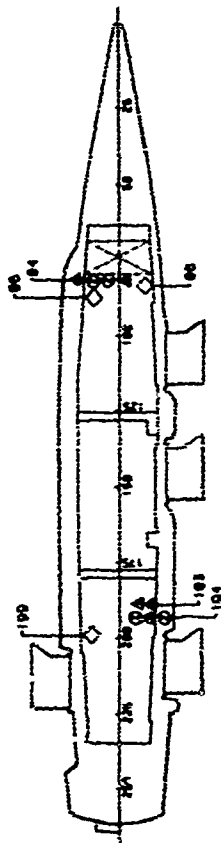
a. 1000 @ 2000 - 2400 - 3000 - 3100 - 5000

b. 1000 @ 2000 - 3000 - 3100

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ CASUALTY OXYGEN 2000 PSI
 - CASUALTY NITROGEN 2000 PSI
 - CASUALTY NITROGEN 1000 PSI
 - ◇ CASUALTY OXYGEN 1000 PSI

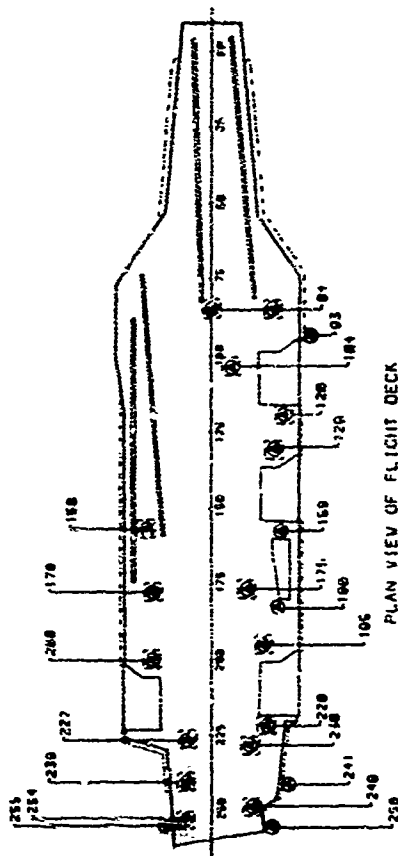
CVIN1-28 USS CHESTER V NIMITZ

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY

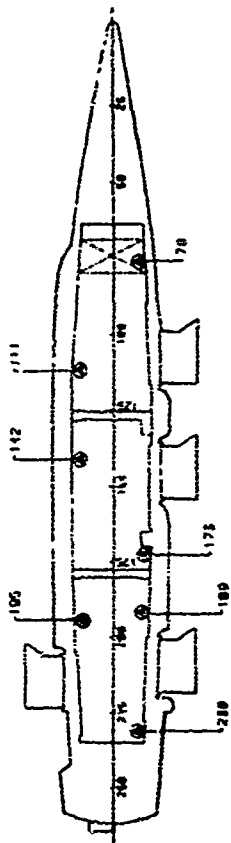
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

FLT DA	HCR DA
22	7

AIRBASIS INERTIA ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
□ MISCELLANEOUS

CV(N)-68 USS CHESTER W NIMITZ

COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AIR

1 OUTLET CAPACITY

SEE NOTE

2 SERVICE OUTLETS

FLT OK IS

HCR OK NONE

STARTING AIR

1 OUTLET CAPACITY

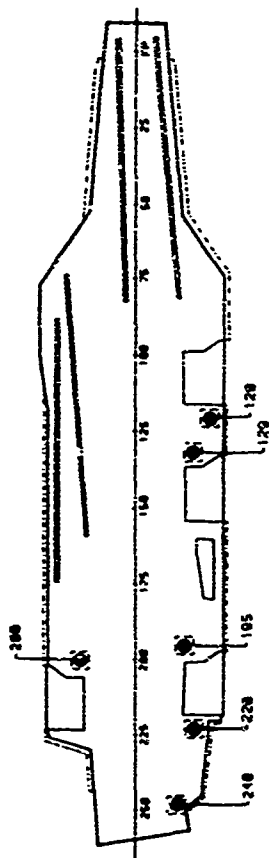
2 SERVICE OUTLETS

FLT OK NONE

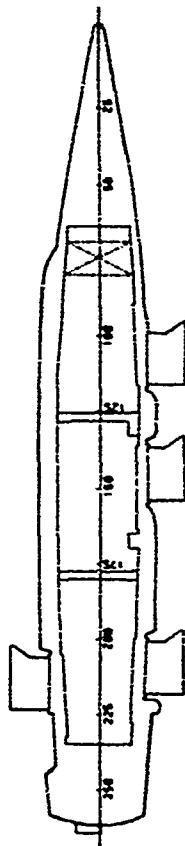
HCR OK NONE

NOTE: COOLING SYSTEM IS OUT OF COMMISSION INDEFINITELY

AIRCRAFT COOLING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

COOLING AIR SERVICE
REQUIRED

CV(N)-88 USS CHESTER W NIMITZ

	<u>CATEGORY</u>	<u>PAGE NO.</u>
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	9
	Combat Readiness Station Layout	10
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - JULY 1979

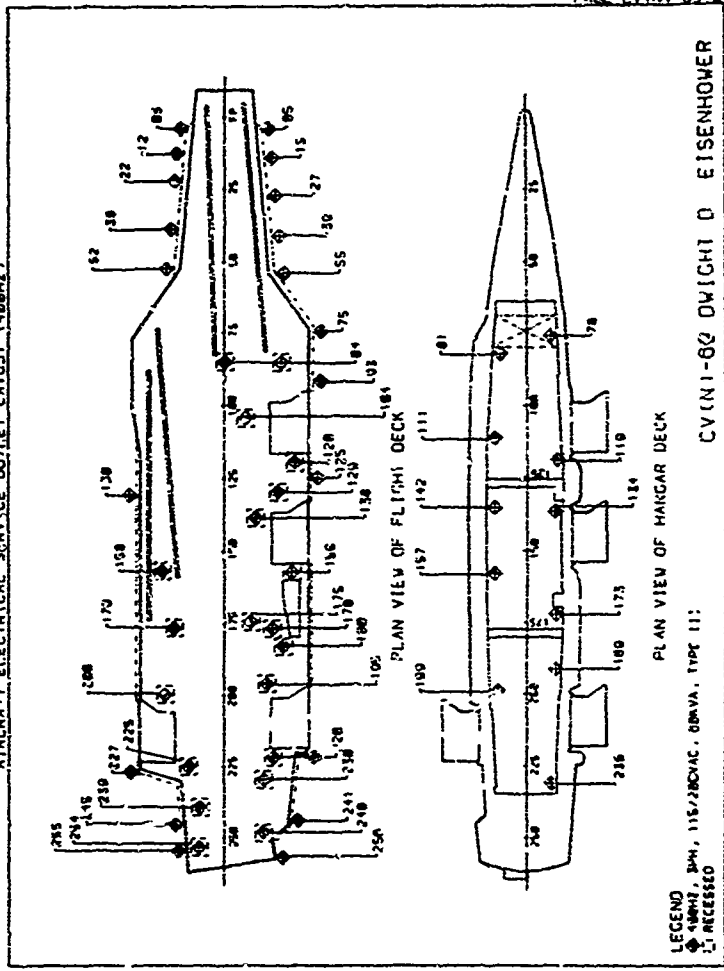
USS DWIGHT D EISENHOWER

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

1008HZ AIRCRAFT SERVICE

SERVICE OUTLETS		FLT DA	MGR DA
1	400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2	400Hz, 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE
3	400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
4	400Hz, 3PH, 115/200 VAC, 30KVA, Type III	4B	11

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



CVINI-60 DWIGHT D EISENHOWER

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 S VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			FLT DK
			HCR DK
1	440 VAC 60Hz, 3PH, 25 AMP	4	11
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 5PH, 100 AMP	31	11
28 S VDC A/C SERVICE AND START			
1	28 S VDC, 200 AMP Continuous	NONE	NONE
2	28 S VDC, 300 AMP Cont, 600 to 900 A Inter	NONE	NONE
3	28 S VDC, 500 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 S VDC, 500 AMP cont, 950 to 1000 A Inter	7	2
5	28 S VDC, 550 AMP Cont, 950 to 1000 A Inter	NONE	NONE

AVIATION FUEL SERVICE

JP-5

1 CAPACITY GAL USR 3,440,804

2 SERVICE OUTLETS
FLT DK 14
HCR DK 6

3 HOSES PER OUTLET
NOTE 1 FLT DK 2
HCR DK 2

4 SERVICE OUTLET CAPACITY, GPM/PSI
NOTE 2 200/10

a TWO OUTLETS OPERATING 200/10

b FOUR OUTLETS OPERATING 200/10

c SIX OUTLETS OPERATING 200/10

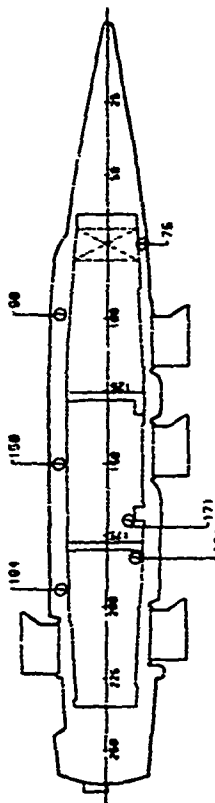
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM 100

6 DEFUELING CAPACITY PER PORTABLE PUMP GPM 50

NOTES

- 1 FLT DA STATIONS 3 HOSE, 83-8-2, 83-12-2, 83-8-1, 83-31-1, 83-83-1, 4 HOSE 83-238-2, 83-237-1
- 2 2-1/2" HOSE JP-5

PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① 10-5
② 11-10-54

CV(N)-69 USS DWIGHT D EISENHOWER

COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FLT DR	HCR DR
1 SERVICE OUTLETS @ 125 PSI	0	20
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 to 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

[illegible]

PLAN VIEW OF HANGAR DECK

NOT RE
LEGEND

LOW PRESSURE AIR, 12% PSI

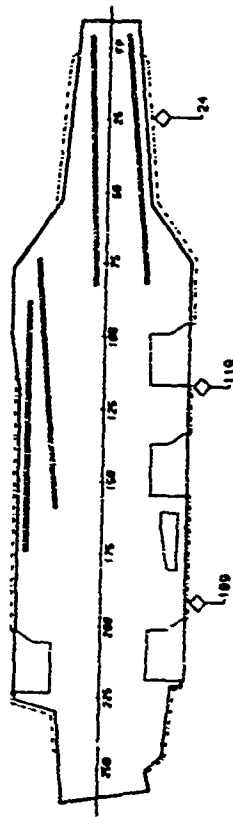
CVIN)-88 USS DWIGHT D EISENHOWER

COMBAT READINESS STATION SERVICE SUMMARY

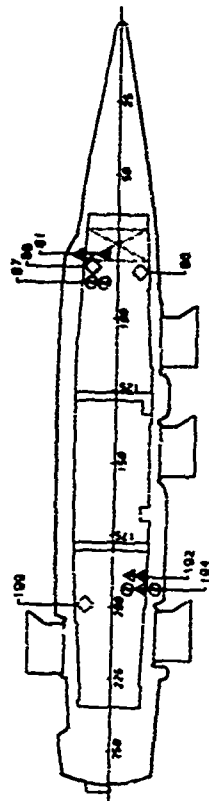
[illegible]

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	2,800		
2 GENERATING CAPACITY GPH	10		
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 2	
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 1 ^d	
NITROGEN			
1 STORAGE CAPACITY, LIQUID GALS	2,800		
2 SERVICE OUTLETS	FLT DK 3 ^d	HCR DK 4 ^c , 1 ^f , 3 ^g	
NITROGEN			
1 STORAGE CAPACITY @ 3600 PSI			
2 SERVICE OUTLETS	FLT DK	HCR DK	
NOTES PRESSURES (PSI)			
a 1000 c 2000 e 2000 - 3000 g 3500 i 5000			
b 1000 d 2000 f 3000 h 500			

OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

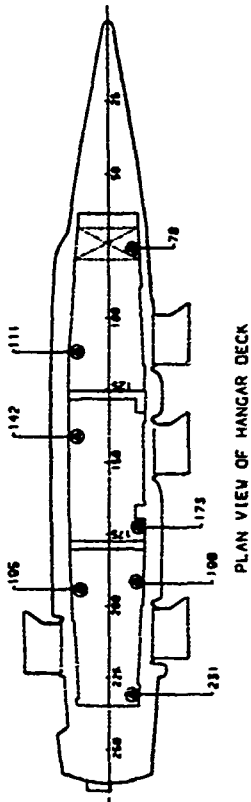
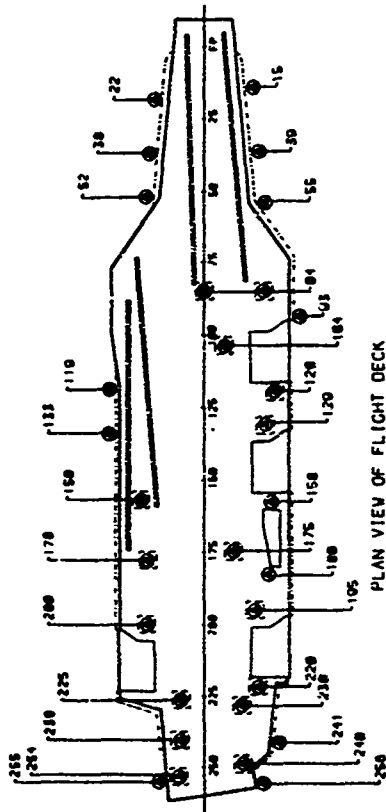


PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ GASEOUS OXYGEN 2000 PSI
 - LIQUID OXYGEN
 - GASEOUS NITROGEN 2000 PSI
 - ◇ GASEOUS NITROGEN 2000 PSI
 - ▲ GASEOUS OXYGEN 1000 PSI

CV(N)-09 USS DWIGHT D. EISENHOWER

AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
○ RECESSED

CV(N)-69 DWIGHT D EISENHOWER

CATEGORY

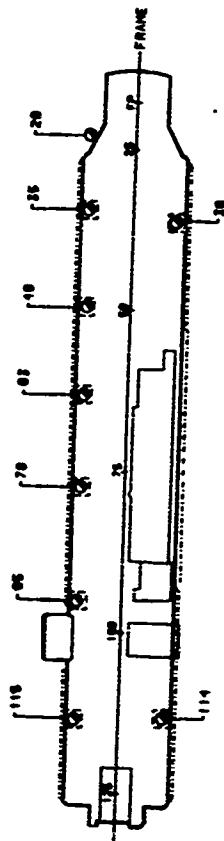
PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Nitrogen and Demineralized Water Service Summary	N/A
	Nitrogen and Demineralized Water Service Outlet Layout	N/A

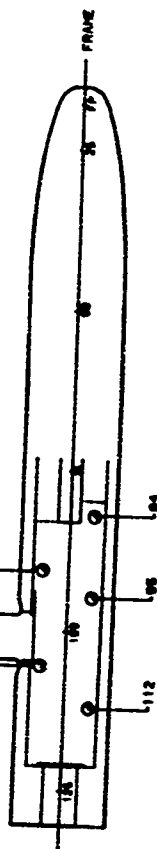
LATEST CHECK - AUGUST 1978

USS TARAWA

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



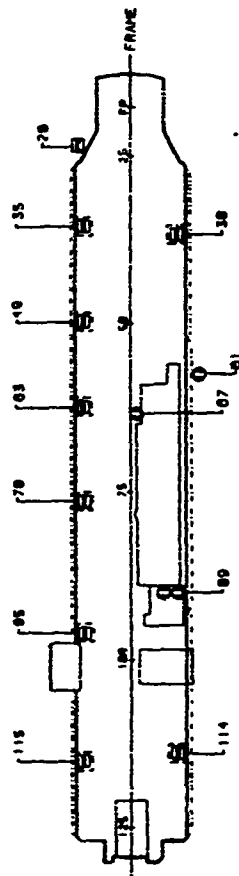
PLAN VIEW OF HANGAR DECK

LEGEND
 100HZ, 3PH, 115/200VAC, 30KVA, TYPE 111
 112 RECEIVED

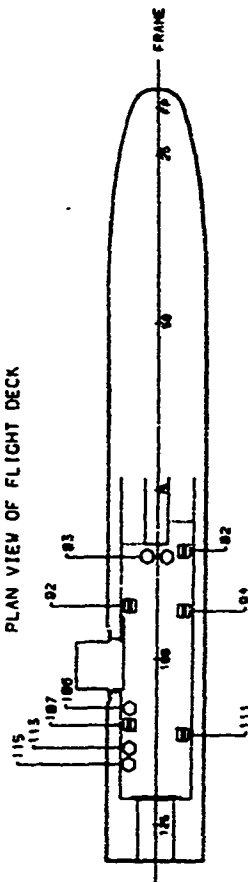
LHA-1 USS TARAWA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			MCR DR
			FLT DR
1	440 VAC, 60Hz, 3PH, 25 AMP	NONE	4
2	440 VAC, 60Hz, 1PH, 30 A/C	4	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 900 A Inter	NONE	NONE
3	28 5 VDC, 000 AMP Cont, 000 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	0	5
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE QUILT LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

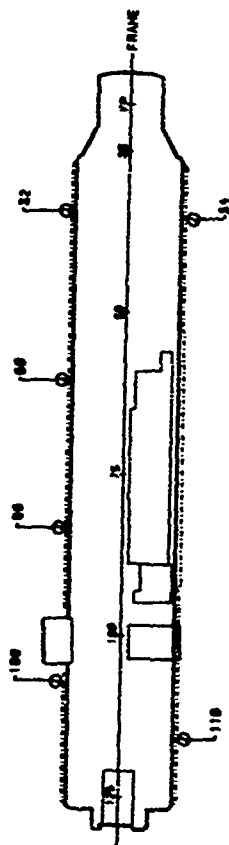
LEGEND:
□ 90W, 30H, 35AMP
○ 40W, 10H, 15AMP
○ 200 EUC, 300AMP CONT, 050-1000A INTER
□ RECEIVED

LHA-1 USS TARAVA

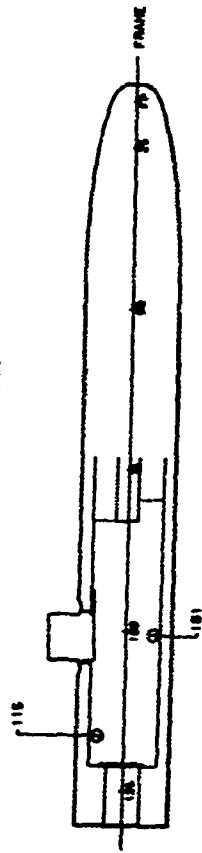
AVIATION FUEL SERVICE

1	CAPACITY GAL. GSS	417,000
2	SERVICE OUTLETS	FLT DN 0 MCR DN 2
3	HOSES PER OUTLET	FLT DN 2 MCR DN 1
4	SERVICE OUTLET CAPACITY, GPM/PSI	200/45
	a TWO OUTLETS OPERATING	200/45
	b FOUR OUTLETS OPERATING	200/45
	c SIX OUTLETS OPERATING	N/A
5	DEFUELING CAPACITY PER SERVICE OUTLET GPM	12
6	DEFUELING CAPACITY PER PORTABLE PUMP GPM	25

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① P-8

LHA-1 USS TARAVA

COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FLT OK	MCB OK
1 SERVICE OUTLETS @ 125 PSI	10	10
REDUCTO PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CATEGORY	PAGE NO.
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Nitrogen and Demineralized Water Service Summary	9
Nitrogen and Demineralized Water Service Outlet Layout	10

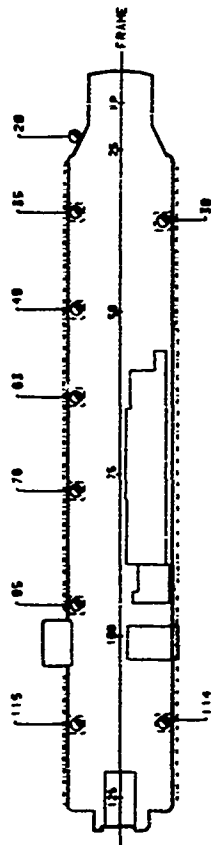
LATEST CHECK - JULY 1980

USS SAIPAN

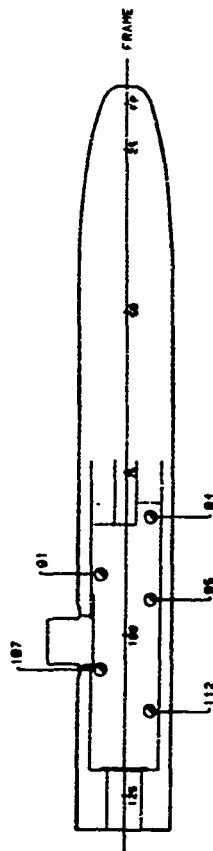
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS		FLT DR	HCR DR
1	400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2	400Hz, 3PH, 115/200 VAC, 30KVA, Type III	0	5
3	400Hz, 3PH, 115/200 VAC, 60KVA, Type I	NONE	NONE
4	400Hz, 3PH, 115/200 VAC, 60KVA, Type III	NONE	NONE

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
○ 400HZ 3PH, 115/200 VAC, 30 KVA, TYPE III
□ NECESSARY

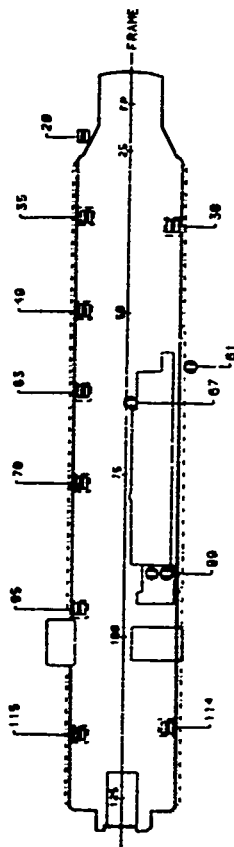
LHA-2 USS SAIPAN

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY

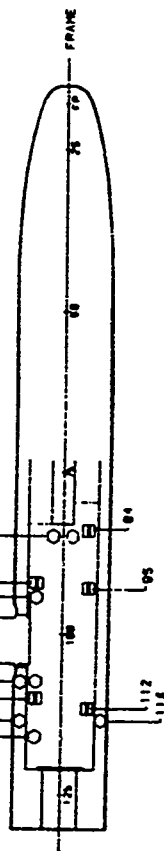
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT DR	HCR DR
1	440 VAC, 60Hz, 3PH, 25 AMP	NONE	8
2	440 VAC, 60Hz, 1PH, 30 AMP	4	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 200 AMP Continuous	NONE	NONE
2	20 5 VDC, 500 AMP Cont, 000 to 900 A Inter	NONE	NONE
3	20 5 VDC, 800 AMP Cont, 000 to 900 A Inter	NONE	NONE
4	20 5 VDC, 500 AMP cont, 050 to 1000 A Inter	0	5
5	20 5 VDC, 650 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 400VAC, 60Hz, 100A, 3SAMP
 ○ 400VAC, 60Hz, 100A, 3SAMP
 ○ 28 VDC, 500AMP CONT, 650-1000A INTER
 □ RECESSED

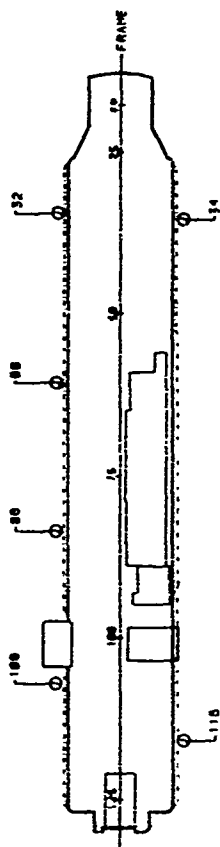
LHA-2 USS SAIPAN

AVIATION FUEL SERVICE

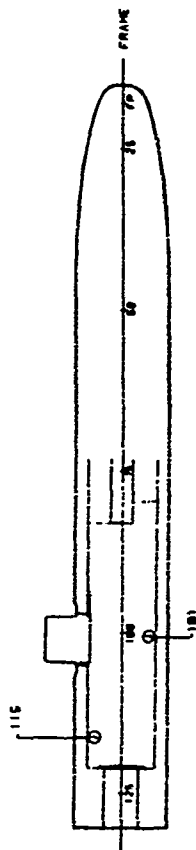
JP-5

1	CAPACITY GAL 95X	417,007
2	SERVICE OUTLETS	FLT DK 0 HCR DK 2
3	HOSES PER OUTLET	FLT DK 2 HCR DK 1
4	SERVICE OUTLET CAPACITY, GPM/PSI	200/50
a	TWO OUTLETS OPERATING	200/50
b	FOUR OUTLETS OPERATING	200/50
c	SIX OUTLETS OPERATING	200/50
5	DEFUELING CAPACITY PER SERVICE OUTLET GPM	20
6	DEFUELING CAPACITY PER PORTABLE PUMP GPM	25

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



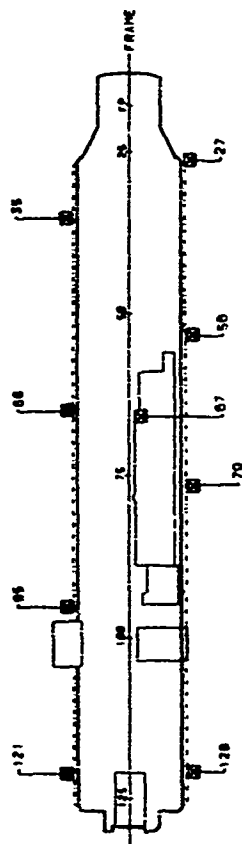
PLAN VIEW OF HANGAR DECK

LEGEND
O JP-6

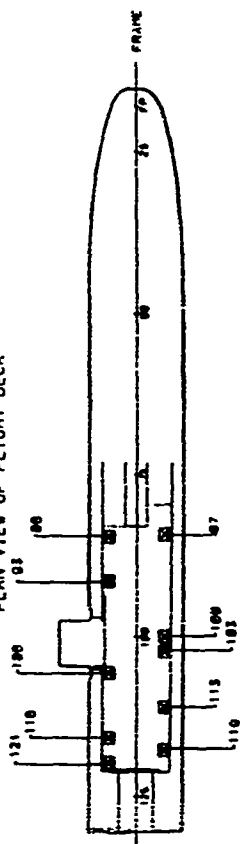
LHA-2 USS SAIPAN

COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FLT DK	NGR DK
1 SERVICE OUTLETS @ 125 PSI	0	10
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 2000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



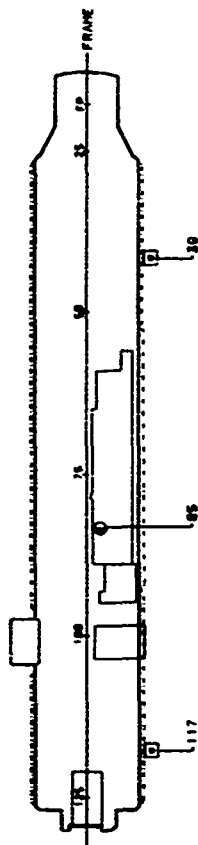
PLAN VIEW OF HANGAR DECK

LEGEND

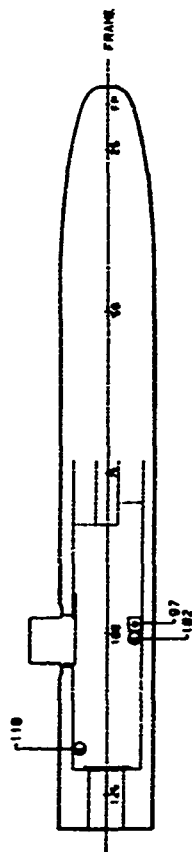
125 PSI LOW PRESSURE AIR

LHA-2 USS SAIPAN

NITROGEN AND DEMINERALIZED WATER SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 (S) GASEOUS NITROGEN 2000 PSI
 (D) DEMINERALIZED WATER 10 GPM

LMA-2 USS SAIPAN

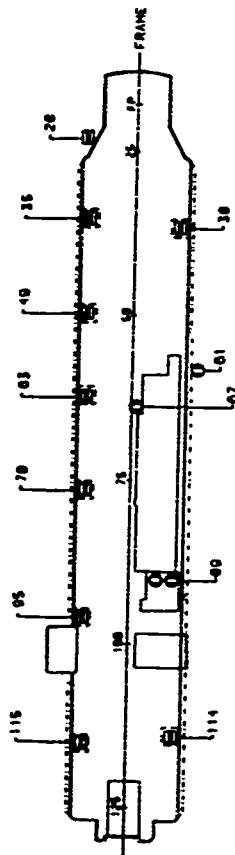
<u>CATEGORY</u>	<u>PAGE NO.</u>
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Nitrogen and Demineralized Water Service Summary	9
Nitrogen and Demineralized Water Service Outlet Layout	10

LATEST CHECK - NOT INSPECTED
(REPRESENTATIVE OF SHIP CLASS)

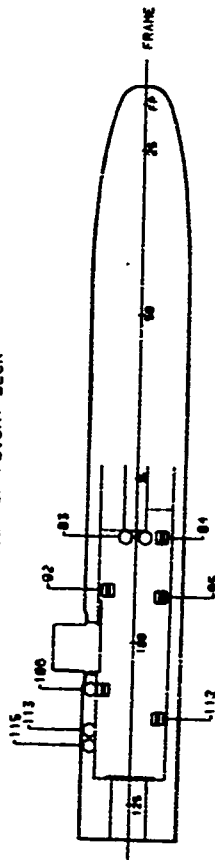
USS BELLEAU WOOD

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
	440 VAC SUPPORT EQUIPMENT SERVICE	FLT OK	MCR OK
1	440 VAC, 60Hz, 3PH, 25 AMP	NONE	5
2	440 VAC, 60Hz, 1PH, 30 AMP	4	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 200 AMP Continuous	NONE	NONE
2	20 5 VDC, 300 AMP Cont, 000 to 000 A Inter	NONE	NONE
3	20 5 VDC, 600 AMP Cont, 000 to 000 A Inter	NONE	NONE
4	20 5 VDC, 300 AMP Cont, 050 to 1000 A Inter	0	5
5	20 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC 2000A 1PH 125AMP
 ○ 440VAC 2000A 1PH 125AMP
 □ 20 5 VDC 1200AMP CONT 1650-1000A INTER
 L1 RECESSED

LHA-3 USS BELLEAU WOOD

AVIATION FUEL SERVICE	
JP-5	
1 CAPACITY GAL 952	417,000
2 SERVICE OUTLETS	FLT DK 0 HCR DK 2
3 HOSES PER OUTLET	FLT DK 2 HCR DK 1
4 SERVICE OUTLET CAPACITY, GPH/PSI	200/50
a TWO OUTLETS OPERATING	200/50
b FOUR OUTLETS OPERATING	200/50
c SIX OUTLETS OPERATING	200/50
5 DEFUELING CAPACITY PER SERVICE OUTLET GPH	20
6 DEFUELING CAPACITY PER PORTABLE PUMP GPH	25

AVIATION FUEL SERVICE OUTLET LAYOUT

PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

LEGEND
JP-5

PAGE LHA-3

PLAN VIEW OF FLIGHT DECK

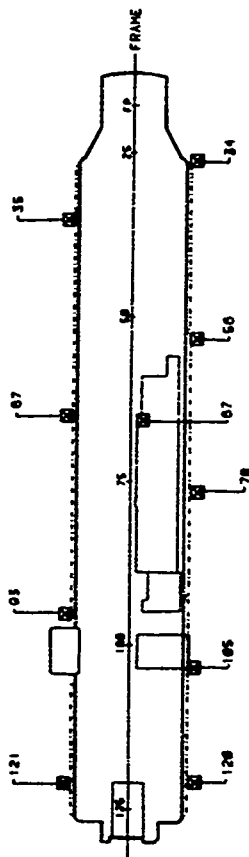
PLAN VIEW OF HANGAR DECK

LEGEND

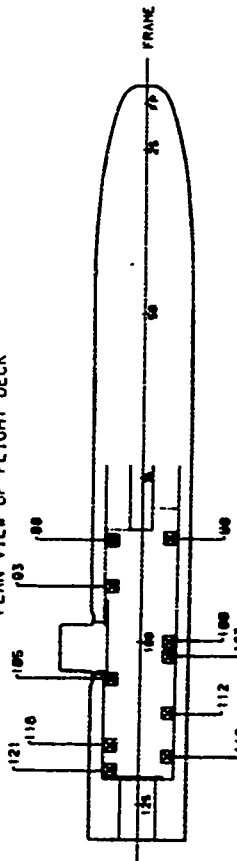
LHA-3 USS BELLEAU WOOD

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT DA	HCR DK	
1 SERVICE OUTLETS @ 125 PSI	10	10	
REDUCED PRESSURE			
1 SERVICE OUTLETS @	NONE	NONE	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 to 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE	
TIRE CHANGING AIR			
1 SERVICE OUTLETS @	NONE	NONE	

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

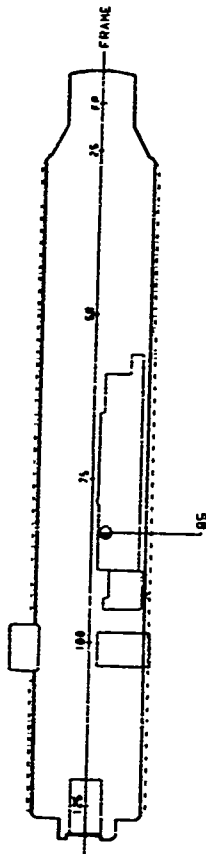


PLAN VIEW OF HANGAR DECK

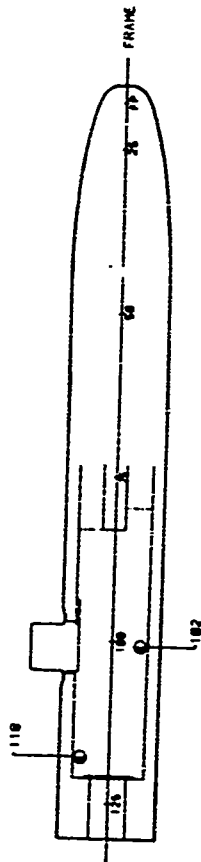
LEGEND
 LOW PRESSURE AIR, 125 PSI

LHA-3 USS BELLEAU WOOD

NITROGEN AND DEMINERALIZED WATER SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- CASEOUS NITROGEN 2000 PSI

LHA-3 USS BELLEAU WOOD

<u>CATEGORY</u>	<u>PAGE NO.</u>
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2 Aircraft Electrical and Support Equipment	3
Service Outlet Summary (28.5 VDC, 440 VAC)	
Aircraft Electrical and Support Equipment	4
Service Outlet Layout (28.5 VDC, 440 VAC)	
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Nitrogen and Demineralized Water Service Summary	9
Nitrogen and Demineralized Water Service Outlet Layout	10

LATEST CHECK - JULY 1980

USS NAASAU

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400Hz AIRCRAFT SERVICE

SERVICE OUTLETS

FLT OK

WCR OK

1 400Hz, 3PH, 115/200 VAC, 50kVA, Type I

NONE

NONE

2 400Hz, 3PH, 115/200 VAC, 50kVA, Type III

0

0

3 400Hz, 3PH, 115/200 VAC, 50kVA, Type I

NONE

NONE

4 400Hz, 3PH, 115/200 VAC, 50kVA, Type III

NONE

NONE

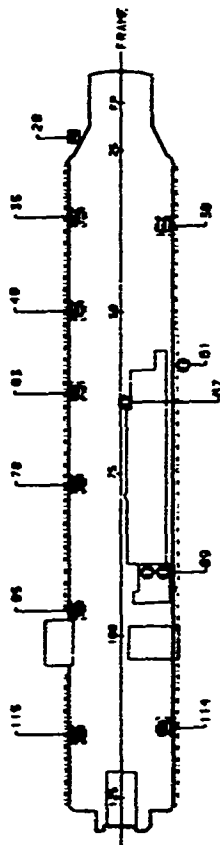
LEGEND
 15/200 VAC, 15/200 VAC, 30 RVA, TYPE III
 17 RECEIVED

LHA-4 USS NASSAU

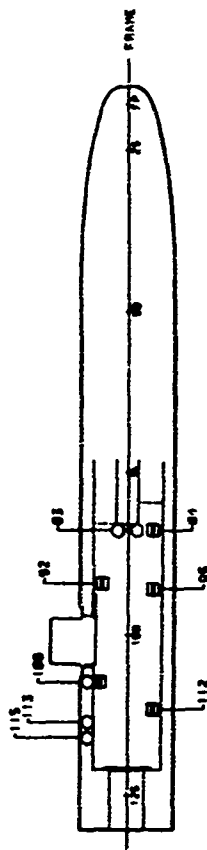
PLAN VIEW OF HANGAR DECK

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	HCR DK
1	440 VAC, 60Hz, 3PH, 25 AMP	NONE	5
2	440 VAC, 60Hz, 1PH, 30 AMP	4	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
20 5 VDC A/C SERVICE AND START			
1	20 5 VDC, 200 AMP Continuous	NONE	NONE
2	20 5 VDC, 300 AMP Conl, 000 to 000 A Inter	NONE	NONE
3	20 5 VDC, 000 AMP Conl, 000 to 000 A Inter	NONE	NONE
4	20 5 VDC, 300 AMP cent, 000 to 1000 A Inter	0	5
5	20 5 VDC, 000 AMP Conl, 000 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 115VAC, 60Hz, 15A, 25AMP
 ○ 115VAC, 60Hz, 15A, 25AMP
 ○ 28 VDC, 100AMP CONT, 400-1000A INTER
 L1 RECEIVED

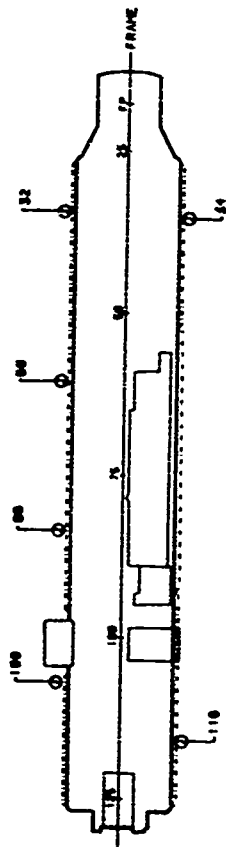
LHA-4 USS NASSAU

AVIATION FUEL SERVICE

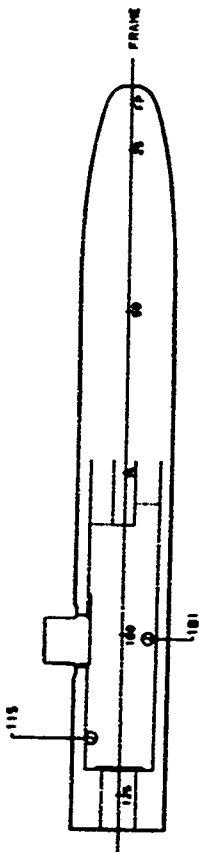
JP-5

1	CAPACITY GAL 952	417,000
2	SERVICE OUTLETS	FLT DN 0 HCR DN 2
3	HOSES PER OUTLET	FLT DN 2 HCR DN 1
4	SERVICE OUTLET CAPACITY, GPM/PSI	200/50
a	TWO OUTLETS OPERATING	200/50
b	FOUR OUTLETS OPERATING	200/50
c	SIX OUTLETS OPERATING	200/50
5	DEFUELING CAPACITY PER SERVICE OUTLET GPM	20
6	DEFUELING CAPACITY PER PORTABLE PUMP GPM	25

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



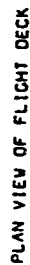
PLAN VIEW OF HANGAR DECK

LEGEND
○ JP-6

LHA-4 USS NASSAU

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT OR	MCR OR	
1 SERVICE OUTLETS @ 125 PSI	1B	1B	
REDUCED PRESSURE			
1 SERVICE OUTLETS @	NONE	NONE	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 to 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE	
TIRE CHANGING AIR			
1 SERVICE OUTLETS @	NONE	NONE	

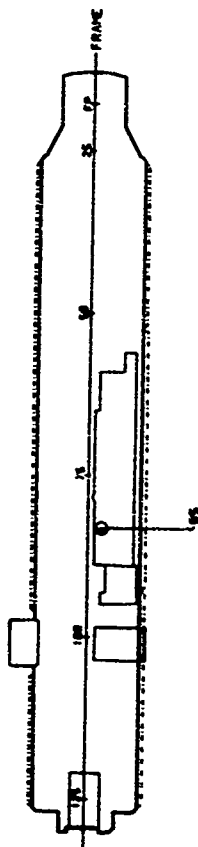
LHA-4 USS NASSAU



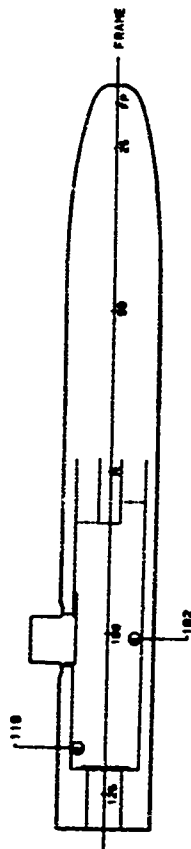
LEGEND

LOW PRESSURE AIR, 125 PSI

NITROGEN AND DEMINERALIZED WATER SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① CASUALTY NITROGEN 2000 PSI

LHA-4 USS NASSAU

PAGE NO.

CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
9	Nitrogen and Demineralized Water Service Summary	9
10	Nitrogen and Demineralized Water Service Outlet Layout	10

LATEST CHECK - NOT INSPECTED
(REPRESENTATIVE OF SHIP CLASS)

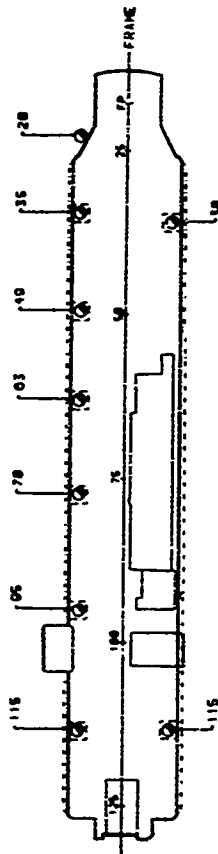
USS PELELIU

AIRCRAFT ELECTRICAL SERVICE: OUTLET SUMMARY

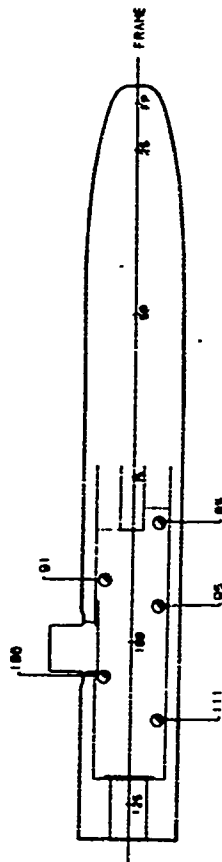
1400HZ AIRCRAFT SERVICE

[illegible]

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
○ 400HZ 1PH, 115/200 VAC, 30 AWA, TYPE 111
□ RECESSED

LHA-5 USS PELELIU

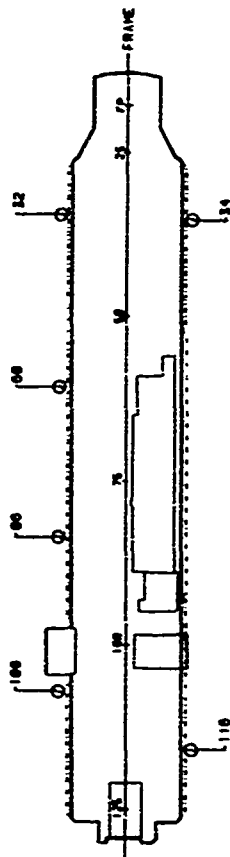
A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE		FLT OK	HCR OK
1	440 VAC, 60Hz, 3PH, 25 AMP	NONE	5
2	440 VAC, 60Hz, 1PH, 30 AMP	4	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 000 A Inter	NONE	NONE
3	28 5 VDC, 000 AMP Cont, 000 to 000 A Inter	NONE	NONE
4	28 5 VDC, 000 AMP cont, 000 to 1000 A Inter	0	5
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AVIATION FUEL SERVICE

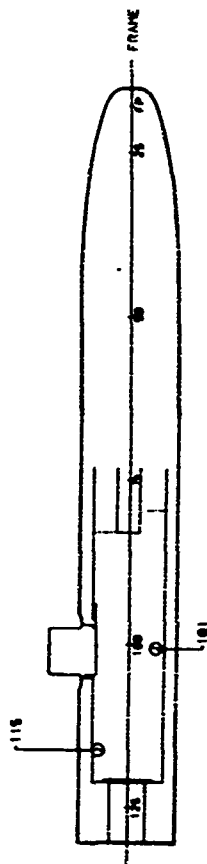
JP-5

1	CAPACITY GAL QSR	417,980
2	SERVICE OUTLETS	FLT DK 6 HCR DK 2
3	HOSES PER OUTLET	FLT DK 2 HCR DK 1
4	SERVICE OUTLET CAPACITY, GPH/PSI	280/58
a	TWO OUTLETS OPERATING	280/58
b	FOUR OUTLETS OPERATING	280/58
c	SIX OUTLETS OPERATING	280/58
5	DEFUELING CAPACITY PER SERVICE OUTLET GPH	29
6	DEFUELING CAPACITY PER PORTABLE PUMP GPH	25

AVIATION FUEL SERVICE QUILET LAYOUT



PLAN VIEW OF FLIGHT DECK



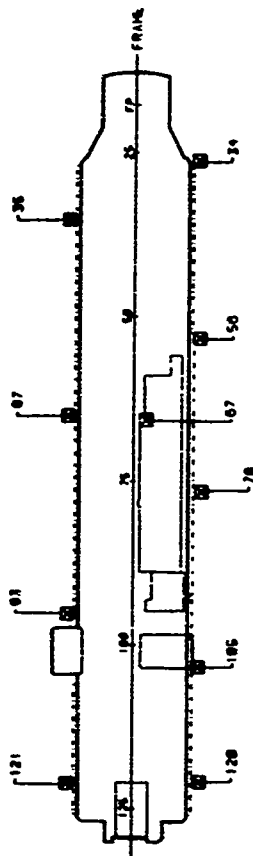
PLAN VIEW OF HANGAR DECK

LEGEND
① JP-5

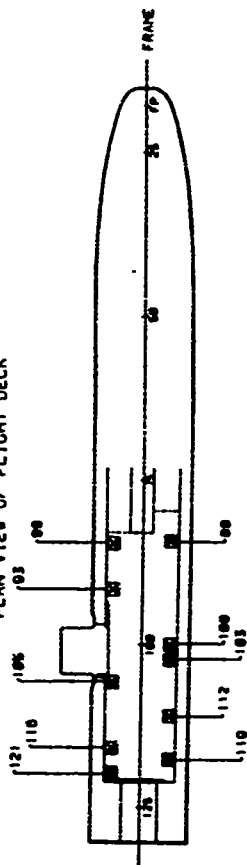
LHA-5 USS PELELIU

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT DA	HCR DA	
1 SERVICE OUTLETS @ 125 PSI	10	10	
REDUCED PRESSURE			
1 SERVICE OUTLETS @	NONE	NONE	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE	
TIRE CHANGING AIR			
1 SERVICE OUTLETS @	NONE	NONE	

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

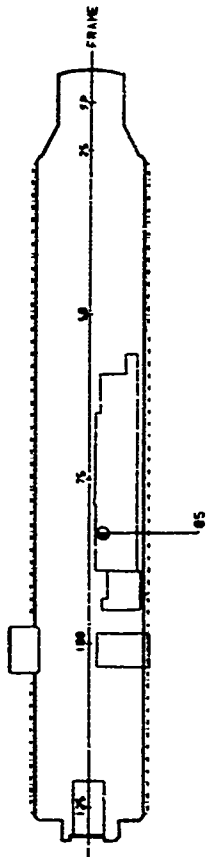


PLAN VIEW OF HANGAR DECK

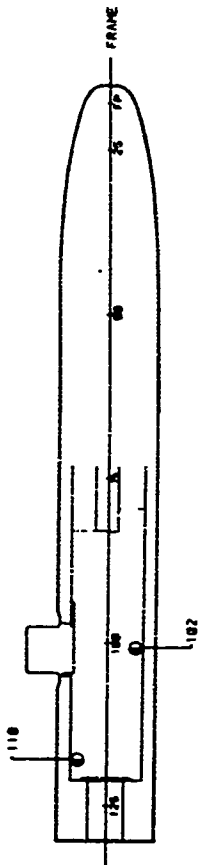
LEGEND
■ LOW PRESSURE AIR, 120 PSI

LHA-5 USS PELELIU

NITROGEN AND DEMINERALIZED WATER SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

© GASEOUS NITROGEN 1000 PSI

LHA-5 USS PELELIU

PAGE NO.

CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - JULY 1980

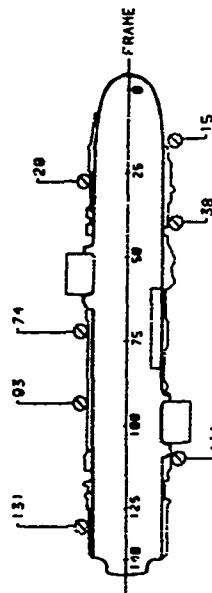
USS IVO JIMA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

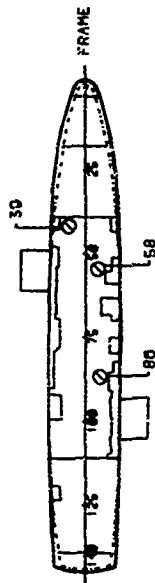
400Hz AIRCRAFT SERVICE

SERVICE OUTLETS		FLT OK	MCB OK
1	400Hz, 3PH, 115/200 VAC, 50KVA, Type I	7	3
2	400Hz, 3PH, 115/200 VAC, 50KVA, Type III	NONE	NONE
3	400Hz, 3PH, 115/200 VAC, 50KVA, Type I	NONE	NONE
4	400Hz, 3PH, 115/200 VAC, 50KVA, Type III	NONE	NONE

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

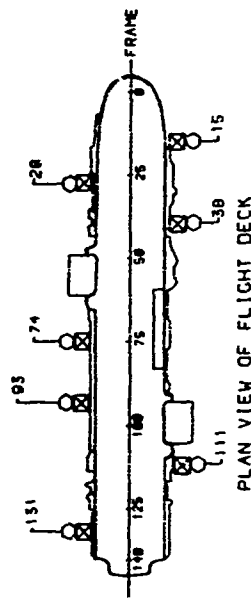
LEGEND

⊙ 400-HZ, 2PH, 115/200VAC, 30KVA, TYPE I

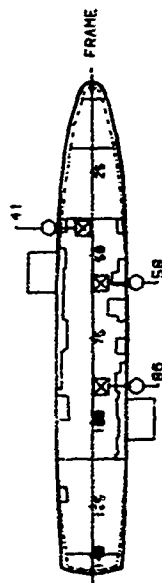
LPH-2 IVO JIMA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
		FLT DR	MCR DR
1	440 VAC 60Hz, 3PH, 25 AMP	7	3
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 250 AMP Continuous	NONE	NONE
2	28 5 VDC, 500 AMP Cont, 000 to 000 A Inter	7	3
3	28 5 VDC, 600 AMP Cont, 000 to 000 A Inter	NONE	NONE
4	28 5 VDC, 500 AMP cont, 050 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 650 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



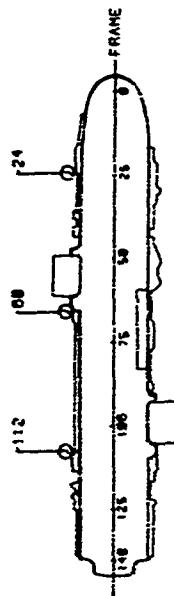
PLAN VIEW OF HANGAR DECK

LEGEND
○ 110VAC, 60HZ, 3PH, 35AMP
⊗ 28 VDC, 300AMP CONT 000-000A INTER

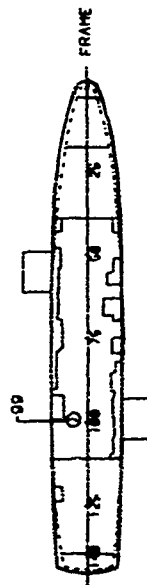
LPH-2 USS IWO JIMA

AVIATION FUEL SERVICE		
JP-5		
1 CAPACITY GAL 95% 244,889		
2 SERVICE OUTLETS FLT DK 3 HCR DK 1		
3 HOSES PER OUTLET 2		
4 SERVICE OUTLET CAPACITY, GPH/PSI 58/45		
a TWO OUTLETS OPERATING 58/45		
b FOUR OUTLETS OPERATING 58/45		
c SIX OUTLETS OPERATING N/A		
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM 50		
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM NONE		

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
JP-5

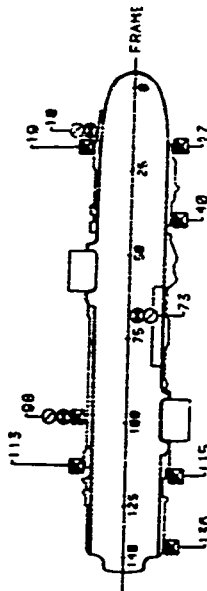
LPH-2 IWO JIMA

COMPRESSED AIR SERVICE SUMMARY

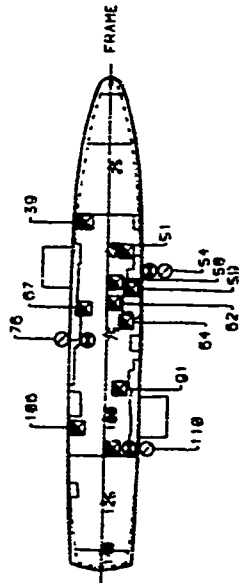
COMPRESSED AIR

LOW PRESSURE		FLT OK	HCR OK
1	SERVICE OUTLETS @ 150 PSI	7	10
REDUCED PRESSURE			
1	SERVICE OUTLETS @ 500 PSI	3	3
2	SERVICE OUTLETS @ 000 PSI	3	3
MEDIUM PRESSURE			
1	SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE			
1	SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE			
1	SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR			
1	SERVICE OUTLETS @	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 [Symbol] LOW PRESSURE AIR, 150PSI
 [Symbol] REDUCED PRESSURE AIR, 80PSI
 [Symbol] REDUCED PRESSURE AIR, 30PSI

LPH-2 USS IWO JIMA

PAGE NO

CATEGORY

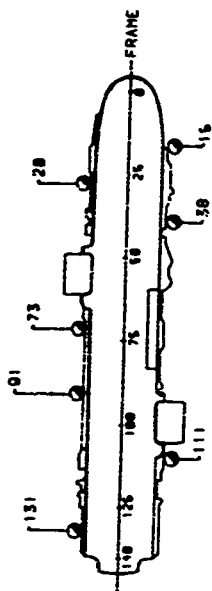
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1978

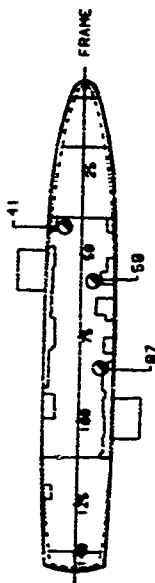
USS OKINAWA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY			
400Hz AIRCRAFT SERVICE			
SERVICE OUTLETS	FLT OK	HCR OK	
1 400Hz, 3PH, 115/200 VAC, 50kVA, Type I	NONE	NONE	
2 400Hz, 3PH, 115/200 VAC, 50kVA, Type III	7	3	
3 400Hz, 3PH, 115/200 VAC, 50kVA, Type I	NONE	NONE	
4 400Hz, 3PH, 115/200 VAC, 50kVA, Type III	NONE	NONE	

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

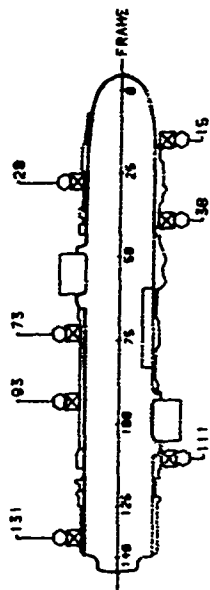
LEGEND

400-HZ, 3PH, 115/200VAC, 30KVA, TYPE 111

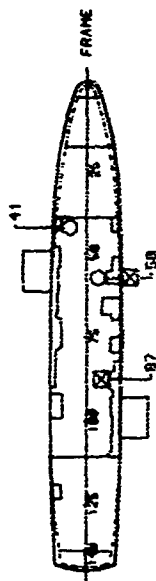
LPH-3 USS OKINAWA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
448 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
	448 VAC SUPPORT EQUIPMENT SERVICE	FLT DR	MCB DR
1	448 VAC 60Hz, 3PH, 25 AMP	7	2
2	448 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	448 VAC, 60Hz, 3PH, 180 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 600 to 900 A Inter	7	2
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 800 AMP cont, 650 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC, 60HZ, 3PH, 25AMP
 ⊗ 28 VDC, 3AMP/CON 086-096A INTER

LPH-3 USS OKINAWA

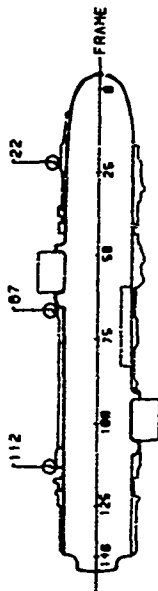
AVIATION FUEL SERVICE

JP-5

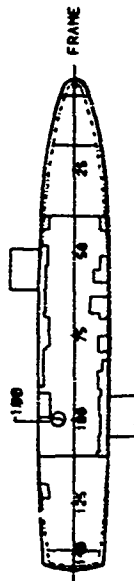
1	CAPACITY GAL 952	200,000
2	SERVICE OUTLETS	FLT OR 3 PCR OR 1
3	HOSES PER OUTLET	2
4	SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1 200/45
a	TWO OUTLETS OPERATING	200/45
b	FOUR OUTLETS OPERATING	200/45
c	SIX OUTLETS OPERATING	N/A
5	DEFUELING CAPACITY PER SERVICE OUTLET GPM	30
6	DEFUELING CAPACITY PER PORTABLE PUMP GPM	N/A

NOTES
1 1-1/2" HOSE JP-5

AVIATION FUEL OUTLET SERVICE LAYOUT



PLAN VIEW OF FLIGHT DECK



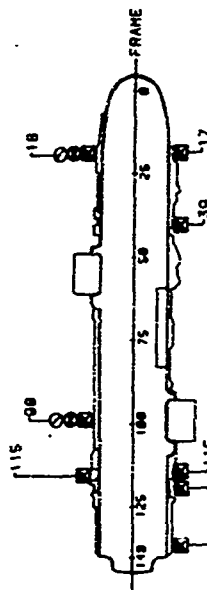
PLAN VIEW OF HANGAR DECK

LEGEND
⊙ JP-5

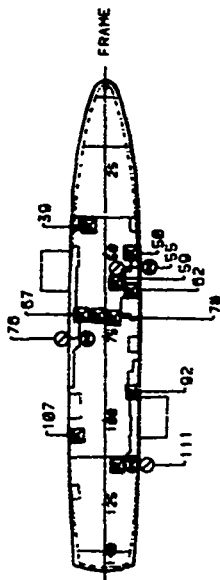
LPH-3 USS OKINAWA

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT OK	MGR OK	
1 SERVICE OUTLETS @ 150 PSI	0	10	
REDUCED PRESSURE			
1 SERVICE OUTLETS @ 800 PSI	2	3	
SERVICE OUTLETS @ 100 PSI	2	3	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE	
TIRE CHANGING AIR			
1 SERVICE OUTLETS @	NONE	NONE	

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- LOW PRESSURE AIR, 150 PSI
- REDUCED PRESSURE AIR, 800 PSI
- REDUCED PRESSURE AIR, 100 PSI

LPH-3 USS OKINAWA

PAGE NO.

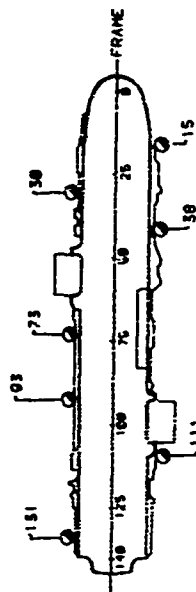
CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
N/A	Combat Readiness Station Service Summary	N/A
N/A	Combat Readiness Station Layout	N/A
N/A	Oxygen and Nitrogen Service Summary	N/A
N/A	Oxygen and Nitrogen Service Outlet Layout	N/A
N/A	Aircraft Inertial Alignment Outlet Box Summary	N/A
N/A	Aircraft Inertial Alignment Outlet Box Layout	N/A
N/A	Aircraft Cooling and Starting Air Outlet Summary	N/A
N/A	Aircraft Cooling and Starting Air Outlet Layout	N/A

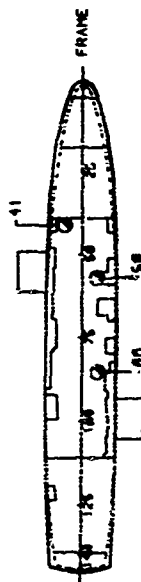
LATEST CHECK - AUGUST 1975

USS GUADALCANAL

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

● 400-HZ, 3PH, 115/200VAC, 30KVA TYPE 111

LPH-7 USS GUADALCANAL

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 20 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
	FLI DR	MCR DR	
1 440 VAC 60Hz, 3PH, 25 AMP	7	3	
2 440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE	
3 440 VAC, 60Hz, 3PH, 120 AMP	NONE	NONE	
20 5 VDC A/C SERVICE AND START			
1 20 5 VDC, 200 AMP Contactor	NONE	NONE	
2 20 5 VDC, 300 AMP Cont, 0.50 to 200 A Inter	7	3	
3 20 5 VDC, 600 AMP Cont, 0.50 to 600 A Inter	NONE	NONE	
4 20 5 VDC, 300 AMP Cont, 0.50 to 1000 A Inter	NONE	NONE	
5 20 5 VDC, 600 AMP Cont, 0.50 to 1000 A Inter	NONE	NONE	

PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

LEGEND

440VAC, 60HZ, 3PH, 25AMP

20 5VDC, 100AMP CONT. 500-900A INTER

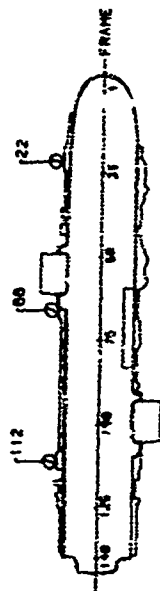
LPH-7 USS GUADALCANAL

AVIATION FUEL SERVICE

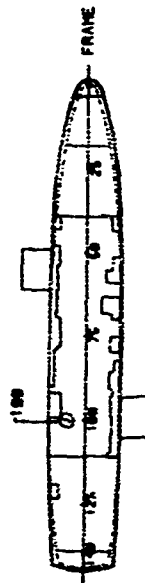
JP-5

1	CAPACITY GAL	200,000
2	SERVICE OUTLETS	FLT OR 3 HCR OR 1
3	NOSES PER OUTLET	2
4	SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1 100/45
5	4 TWO OUTLETS OPERATING	100/45
6	6 FOUR OUTLETS OPERATING	100/45
7	8 SIX OUTLETS OPERATING	N/A
8	DEFUELING CAPACITY PER SERVICE OUTLET GPM	50
9	DEFUELING CAPACITY PER PORTABLE PUMP GPM	25
NOTES		
1 1-1/2" NOSE JP-5		

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



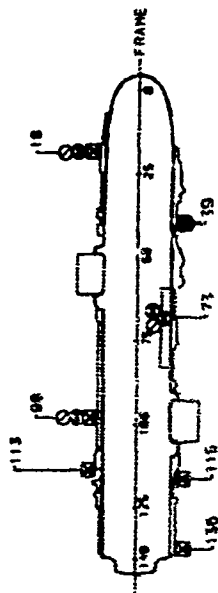
PLAN VIEW OF HANGAR DECK

LEGEND
① JP-5

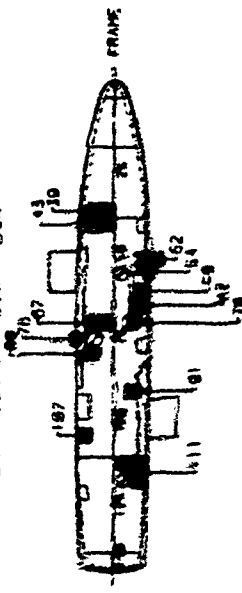
LPH-7 USS GUADALCANAL

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT OK	HCRT OK	
1 SERVICE OUTLETS @ 100 - 150 PSI	0	10	
REDUCED PRESSURE			
1 SERVICE OUTLETS @ 900 PSI	3	31	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE	
TYPE CHANGING AIR			
1 SERVICE OUTLETS @ 300 PSI	1	3	

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
1. 100 PSI
2. 150 PSI
3. 200 PSI
4. 250 PSI
5. 300 PSI
6. 350 PSI
7. 400 PSI
8. 450 PSI
9. 500 PSI
10. 550 PSI
11. 600 PSI
12. 650 PSI
13. 700 PSI
14. 750 PSI
15. 800 PSI
16. 850 PSI
17. 900 PSI
18. 950 PSI
19. 1000 PSI
20. 1050 PSI
21. 1100 PSI
22. 1150 PSI
23. 1200 PSI
24. 1250 PSI
25. 1300 PSI
26. 1350 PSI
27. 1400 PSI
28. 1450 PSI
29. 1500 PSI
30. 1550 PSI
31. 1600 PSI
32. 1650 PSI
33. 1700 PSI
34. 1750 PSI
35. 1800 PSI
36. 1850 PSI
37. 1900 PSI
38. 1950 PSI
39. 2000 PSI
40. 2050 PSI
41. 2100 PSI
42. 2150 PSI
43. 2200 PSI
44. 2250 PSI
45. 2300 PSI
46. 2350 PSI
47. 2400 PSI
48. 2450 PSI
49. 2500 PSI
50. 2550 PSI
51. 2600 PSI
52. 2650 PSI
53. 2700 PSI
54. 2750 PSI
55. 2800 PSI
56. 2850 PSI
57. 2900 PSI
58. 2950 PSI
59. 3000 PSI
60. 3050 PSI
61. 3100 PSI
62. 3150 PSI
63. 3200 PSI
64. 3250 PSI
65. 3300 PSI
66. 3350 PSI
67. 3400 PSI
68. 3450 PSI
69. 3500 PSI
70. 3550 PSI
71. 3600 PSI
72. 3650 PSI
73. 3700 PSI
74. 3750 PSI
75. 3800 PSI
76. 3850 PSI
77. 3900 PSI
78. 3950 PSI
79. 4000 PSI
80. 4050 PSI
81. 4100 PSI
82. 4150 PSI
83. 4200 PSI
84. 4250 PSI
85. 4300 PSI
86. 4350 PSI
87. 4400 PSI
88. 4450 PSI
89. 4500 PSI
90. 4550 PSI
91. 4600 PSI
92. 4650 PSI
93. 4700 PSI
94. 4750 PSI
95. 4800 PSI
96. 4850 PSI
97. 4900 PSI
98. 4950 PSI
99. 5000 PSI
100. 5050 PSI
101. 5100 PSI
102. 5150 PSI
103. 5200 PSI
104. 5250 PSI
105. 5300 PSI
106. 5350 PSI
107. 5400 PSI
108. 5450 PSI
109. 5500 PSI
110. 5550 PSI
111. 5600 PSI
112. 5650 PSI
113. 5700 PSI
114. 5750 PSI
115. 5800 PSI
116. 5850 PSI
117. 5900 PSI
118. 5950 PSI
119. 6000 PSI
120. 6050 PSI
121. 6100 PSI
122. 6150 PSI
123. 6200 PSI
124. 6250 PSI
125. 6300 PSI
126. 6350 PSI
127. 6400 PSI
128. 6450 PSI
129. 6500 PSI
130. 6550 PSI
131. 6600 PSI
132. 6650 PSI
133. 6700 PSI
134. 6750 PSI
135. 6800 PSI
136. 6850 PSI
137. 6900 PSI
138. 6950 PSI
139. 7000 PSI
140. 7050 PSI
141. 7100 PSI
142. 7150 PSI
143. 7200 PSI
144. 7250 PSI
145. 7300 PSI
146. 7350 PSI
147. 7400 PSI
148. 7450 PSI
149. 7500 PSI
150. 7550 PSI
151. 7600 PSI
152. 7650 PSI
153. 7700 PSI
154. 7750 PSI
155. 7800 PSI
156. 7850 PSI
157. 7900 PSI
158. 7950 PSI
159. 8000 PSI
160. 8050 PSI
161. 8100 PSI
162. 8150 PSI
163. 8200 PSI
164. 8250 PSI
165. 8300 PSI
166. 8350 PSI
167. 8400 PSI
168. 8450 PSI
169. 8500 PSI
170. 8550 PSI
171. 8600 PSI
172. 8650 PSI
173. 8700 PSI
174. 8750 PSI
175. 8800 PSI
176. 8850 PSI
177. 8900 PSI
178. 8950 PSI
179. 9000 PSI
180. 9050 PSI
181. 9100 PSI
182. 9150 PSI
183. 9200 PSI
184. 9250 PSI
185. 9300 PSI
186. 9350 PSI
187. 9400 PSI
188. 9450 PSI
189. 9500 PSI
190. 9550 PSI
191. 9600 PSI
192. 9650 PSI
193. 9700 PSI
194. 9750 PSI
195. 9800 PSI
196. 9850 PSI
197. 9900 PSI
198. 9950 PSI
199. 10000 PSI
200. 10050 PSI
201. 10100 PSI
202. 10150 PSI
203. 10200 PSI
204. 10250 PSI
205. 10300 PSI
206. 10350 PSI
207. 10400 PSI
208. 10450 PSI
209. 10500 PSI
210. 10550 PSI
211. 10600 PSI
212. 10650 PSI
213. 10700 PSI
214. 10750 PSI
215. 10800 PSI
216. 10850 PSI
217. 10900 PSI
218. 10950 PSI
219. 11000 PSI
220. 11050 PSI
221. 11100 PSI
222. 11150 PSI
223. 11200 PSI
224. 11250 PSI
225. 11300 PSI
226. 11350 PSI
227. 11400 PSI
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231. 11600 PSI
232. 11650 PSI
233. 11700 PSI
234. 11750 PSI
235. 11800 PSI
236. 11850 PSI
237. 11900 PSI
238. 11950 PSI
239. 12000 PSI
240. 12050 PSI
241. 12100 PSI
242. 12150 PSI
243. 12200 PSI
244. 12250 PSI
245. 12300 PSI
246. 12350 PSI
247. 12400 PSI
248. 12450 PSI
249. 12500 PSI
250. 12550 PSI
251. 12600 PSI
252. 12650 PSI
253. 12700 PSI
254. 12750 PSI
255. 12800 PSI
256. 12850 PSI
257. 12900 PSI
258. 12950 PSI
259. 13000 PSI
260. 13050 PSI
261. 13100 PSI
262. 13150 PSI
263. 13200 PSI
264. 13250 PSI
265. 13300 PSI
266. 13350 PSI
267. 13400 PSI
268. 13450 PSI
269. 13500 PSI
270. 13550 PSI
271. 13600 PSI
272. 13650 PSI
273. 13700 PSI
274. 13750 PSI
275. 13800 PSI
276. 13850 PSI
277. 13900 PSI
278. 13950 PSI
279. 14000 PSI
280. 14050 PSI
281. 14100 PSI
282. 14150 PSI
283. 14200 PSI
284. 14250 PSI
285. 14300 PSI
286. 14350 PSI
287. 14400 PSI
288. 14450 PSI
289. 14500 PSI
290. 14550 PSI
291. 14600 PSI
292. 14650 PSI
293. 14700 PSI
294. 14750 PSI
295. 14800 PSI
296. 14850 PSI
297. 14900 PSI
298. 14950 PSI
299. 15000 PSI
300. 15050 PSI
301. 15100 PSI
302. 15150 PSI
303. 15200 PSI
304. 15250 PSI
305. 15300 PSI
306. 15350 PSI
307. 15400 PSI
308. 15450 PSI
309. 15500 PSI
310. 15550 PSI
311. 15600 PSI
312. 15650 PSI
313. 15700 PSI
314. 15750 PSI
315. 15800 PSI
316. 15850 PSI
317. 15900 PSI
318. 15950 PSI
319. 16000 PSI
320. 16050 PSI
321. 16100 PSI
322. 16150 PSI
323. 16200 PSI
324. 16250 PSI
325. 16300 PSI
326. 16350 PSI
327. 16400 PSI
328. 16450 PSI
329. 16500 PSI
330. 16550 PSI
331. 16600 PSI
332. 16650 PSI
333. 16700 PSI
334. 16750 PSI
335. 16800 PSI
336. 16850 PSI
337. 16900 PSI
338. 16950 PSI
339. 17000 PSI
340. 17050 PSI
341. 17100 PSI
342. 17150 PSI
343. 17200 PSI
344. 17250 PSI
345. 17300 PSI
346. 17350 PSI
347. 17400 PSI
348. 17450 PSI
349. 17500 PSI
350. 17550 PSI
351. 17600 PSI
352. 17650 PSI
353. 17700 PSI
354. 17750 PSI
355. 17800 PSI
356. 17850 PSI
357. 17900 PSI
358. 17950 PSI
359. 18000 PSI
360. 18050 PSI
361. 18100 PSI
362. 18150 PSI
363. 18200 PSI
364. 18250 PSI
365. 18300 PSI
366. 18350 PSI
367. 18400 PSI
368. 18450 PSI
369. 18500 PSI
370. 18550 PSI
371. 18600 PSI
372. 18650 PSI
373. 18700 PSI
374. 18750 PSI
375. 18800 PSI
376. 18850 PSI
377. 18900 PSI
378. 18950 PSI
379. 19000 PSI
380. 19050 PSI
381. 19100 PSI
382. 19150 PSI
383. 19200 PSI
384. 19250 PSI
385. 19300 PSI
386. 19350 PSI
387. 19400 PSI
388. 19450 PSI
389. 19500 PSI
390. 19550 PSI
391. 19600 PSI
392. 19650 PSI
393. 19700 PSI
394. 19750 PSI
395. 19800 PSI
396. 19850 PSI
397. 19900 PSI
398. 19950 PSI
399. 20000 PSI
400. 20050 PSI
401. 20100 PSI
402. 20150 PSI
403. 20200 PSI
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405. 20300 PSI
406. 20350 PSI
407. 20400 PSI
408. 20450 PSI
409. 20500 PSI
410. 20550 PSI
411. 20600 PSI
412. 20650 PSI
413. 20700 PSI
414. 20750 PSI
415. 20800 PSI
416. 20850 PSI
417. 20900 PSI
418. 20950 PSI
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CATEGORYPAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
9	Oxygen, Nitrogen and Demineralized Water Service Summary	9
10	Oxygen, Nitrogen and Demineralized Water Service Layout	10

NAEC-ENG-6703 REV10
PAGE LPH-9-0

LATERY CHECK - AUGUST 1980

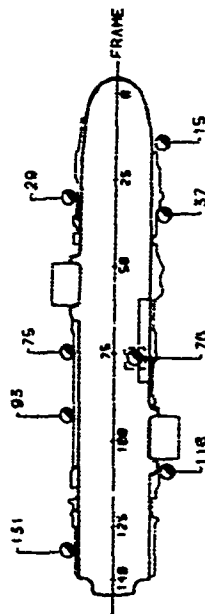
USS GUAM

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

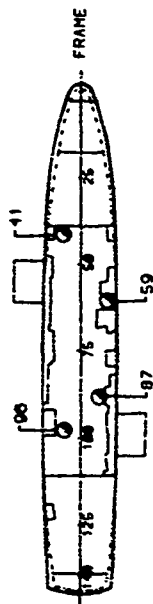
192013 AIRCRAFT SERVICE

[illegible]

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 400-HZ, 3PH, 115/200VAC, 30MVA, TYPE III
 □ RECESSED

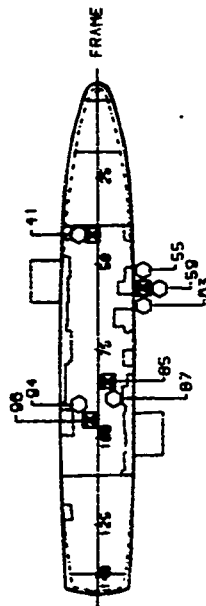
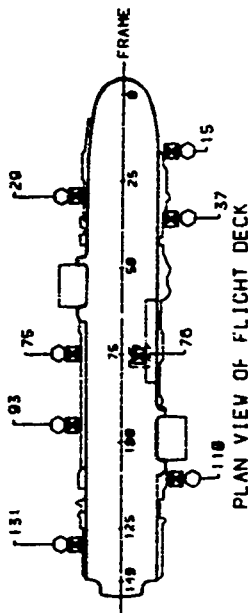
LPH-9 USS GUAM

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY

440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT OK	HCR OK
1	440 VAC 60Hz, 3PH, 25 AMP	7	6
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 500 AMP Cont, 000 to 000 A Inter	NONE	NONE
3	28 5 VDC, 000 AMP Cont, 000 to 000 A Inter	8	4
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC, 60HZ, 3PH, 25AMP
 □ 20 S VDC, 800 AMP CONT 000-000A INTER
 □ RECESSED

LPH-9 USS GUAM

AVIATION FUEL SERVICE

JP-5

1 CAPACITY GAL USX 289,000

2 SERVICE OUTLETS FLT DK 4
MCR DK 1

3 HOSES PER OUTLET NOTE 1, 2 & 3 2

4 SERVICE OUTLET CAPACITY, GPH/PSI 100/40

a TWO OUTLETS OPERATING 100/40

b FOUR OUTLETS OPERATING 100/40

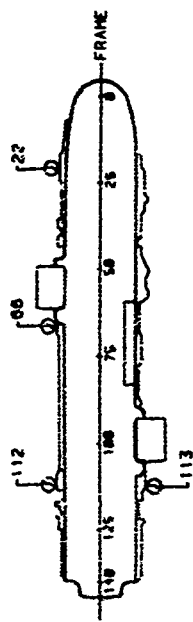
c SIX OUTLETS OPERATING N/A

5 DEFUELING CAPACITY PER SERVICE OUTLET GPH 20

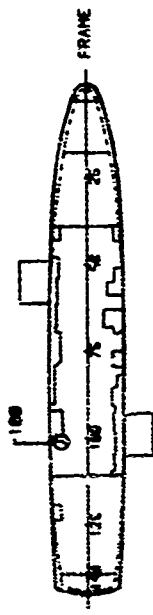
6 DEFUELING CAPACITY PER PORTABLE PUMP GPH 25

NOTES
1 FLT DK STATIONS HAVE ONE 1 1/2" HOSE AND ONE 2 1/2" HOSE 3 NO RECIRCULATION CAPABILITY AT
2 ONE 2 1/2" HOSE AT STA 03-113-S
STA 03-113-S & 1-100-P

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
Q JP-5

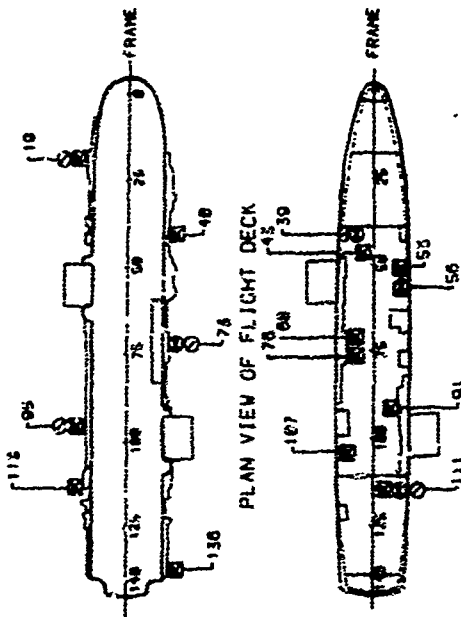
LPH-9 USS GUAM

COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

LOW PRESSURE	FLT ON	PCR DA
1 SERVICE OUTLETS @ 150 PSI	5	7
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 300 PSI	1	3
2 SERVICE OUTLETS @ 600 PSI	3	1
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURES		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 2000 PSI	NONE	NONE
TANK CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF HANGAR DECK

LEGEND

- 100 LOW PRESSURE AIR, 100 PSI
- 101 REDUCED PRESSURE AIR, 100 PSI
- 102 REDUCED PRESSURE AIR, 100 PSI
- 103 REDUCED PRESSURE AIR, 100 PSI

LPH-9 USS GUAM

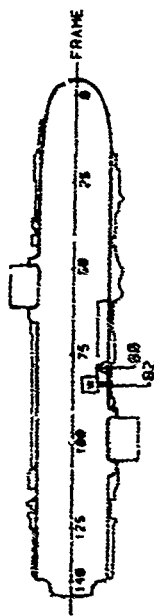
OXYGEN AND NITROGEN SERVICE SUMMARY

	FLT DN	HER DN
OXYGEN		
1 LIQUID OXYGEN STORAGE AREA (600 GALS)	1	NONE
NITROGEN		
1 NITROGEN CYLINDER STORAGE AREA (APPROX 100 CU FT AT 3500 PSI)	NONE	1

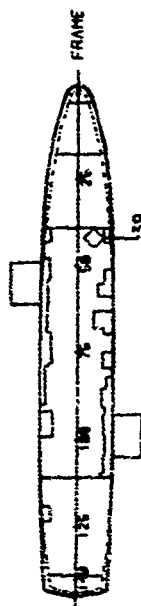
DEMINERALIZED WATER SERVICE SUMMARY

[illegible]

OXYGEN, NITROGEN AND DEMINERALIZED WATER SERVICE LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ LIQUID OXYGEN STORAGE
 - ◇ GASEOUS NITROGEN STORAGE AT 3500 PSI
 - DEMINERALIZED WATER

LPH-9 USS GUAM

PAGE NO.

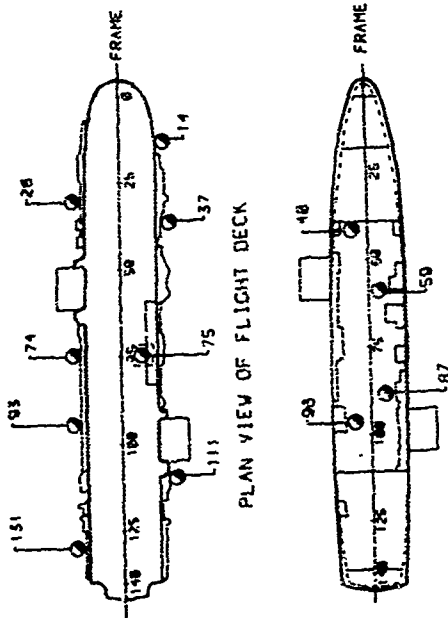
CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
N/A	Combat Readiness Station Service Summary	N/A
N/A	Combat Readiness Station Layout	N/A
N/A	Oxygen and Nitrogen Service Summary	N/A
N/A	Oxygen and Nitrogen Service Outlet Layout	N/A
N/A	Aircraft Inertial Alignment Outlet Box Summary	N/A
N/A	Aircraft Inertial Alignment Outlet Box Layout	N/A
N/A	Aircraft Cooling and Starting Air Outlet Summary	N/A
N/A	Aircraft Cooling and Starting Air Outlet Layout	N/A

USS TRIPOLI

LATEST CHECK - AUGUST 1978

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



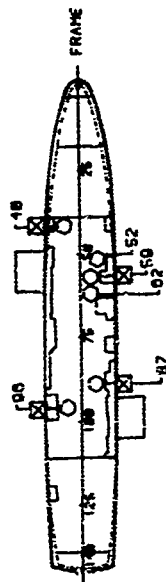
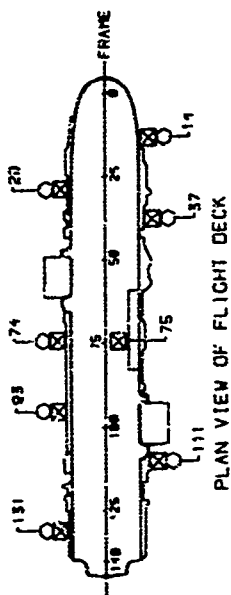
LEGEND
○ 400HZ, 3PH, 115/200VAC, 30KVA, TYPE 111
□ RECESSED

PLAN VIEW OF HANGAR DECK

LPH-10 USS TRIPOLI

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
448 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
448 VAC SUPPORT EQUIPMENT SERVICE	FLT OK	HCR OK	
1 448 VAC 60Hz, 3PH, 20 AMP	7	0	
2 448 VAC, 60Hz, 3PH, 6A AMP	NONE	NONE	
3 448 VAC, 60Hz, 3PH, 1800 AMP	NONE	NONE	
28 5 VDC A/C SERVICE AND START			
1 75 5 VDC, 240 AMP CONTINUOUS	NONE	NONE	
2 28 5 VDC, 380 AMP Cont, 0400 to 0415 A Inter	0	4	
3 28 5 VDC, 0400 AMP Cont, 0400 to 0415 A Inter	NONE	NONE	
4 28 5 VDC, 380 AMP cont, 0500 to 1000 A Inter	NONE	NONE	
5 28 5 VDC, 0400 AMP Cont, 0400 to 1000 A Inter	NONE	NONE	

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF HANGAR DECK

LEGEND

LEUNG
445VAZ, 40HZ, 3PH, 25AMP

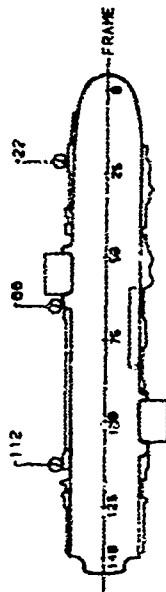
29 5VDC, 300AMP CONT 000-020A INTER

AVIATION FUEL SERVICE

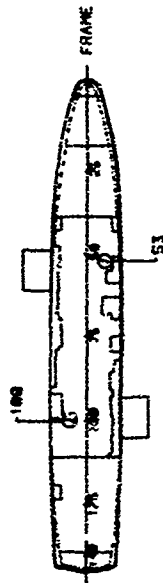
JP-5

1	CAPACITY GAL 30S	370.103
2	SERVICE OUTLETS	FLT DA 1 NCR DA 2
3	HOSES PER OUTLET	2
4	SERVICE OUTLET CAPACITY, GPM/PSI	220/75
a	TWO OUTLETS OPERATING	220/75
b	FOUR OUTLETS OPERATING	220/75
c	SIX OUTLETS OPERATING	N/A
5	DEFUELING CAPACITY PER SERVICE OUTLET GPM	50
6	DEFUELING CAPACITY PER PORTABLE PUMP GPM/PSI	70/25

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



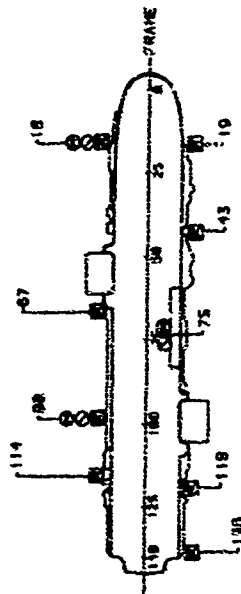
PLAN VIEW OF HANGAR DECK

LEGEND
Q JP-5

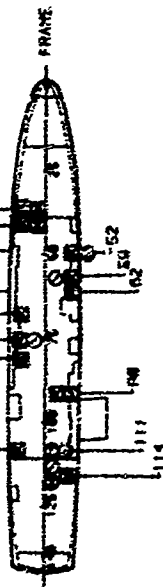
LPH-10 USS TRIPOLI

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT DR	WCR DR	
1 SERVICE OUTLETS @ 150 PSI	0	0	0
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 300 PSI	3	4	4
2 SERVICE OUTLETS @ 300 PSI	3	4	4
HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	NONE
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE	NONE
HIGH PRESSURE			
1 SERVICE OUTLETS @ 1000 PSI	NONE	1	1
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	NONE
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE	NONE

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- 180 PSI LOW PRESSURE AIR, 180 PSI
- 100 PSI REDUCED PRESSURE AIR, 100 PSI
- 50 PSI REDUCED PRESSURE AIR, 50 PSI
- 1500 PSI HIGH PRESSURE AIR, 1500 PSI

LPH-10 USS TRIPOLI

PAGE NO.

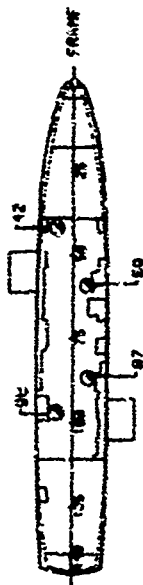
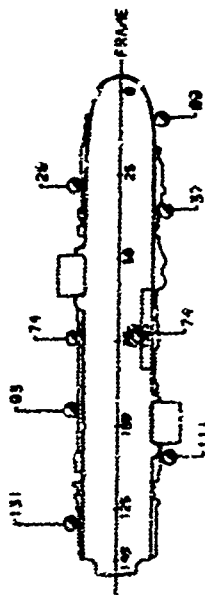
CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28 E VDC, 44E VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 E VDC, 44E VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
7	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - FEB 1960

USS NEW ORLEANS

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (100HZ)



PLAN: VIEW OF HAZAR DECK

LEGEND
 ① 40042, RH, 115/200VAC, 30KVA TYPE III
 (1) RECEIVED

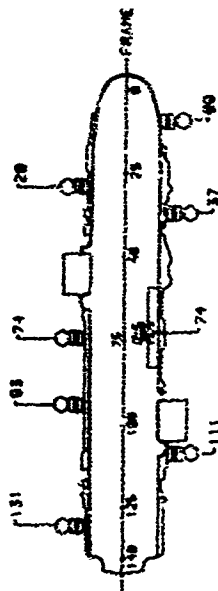
SNV3780 R311 SSN 11-11-11

**A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY:**

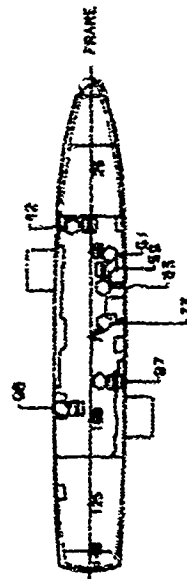
440 VAC SUPPORT EQUIPMENT SERVICE
20 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLY DA	WCR DA
1	440 3/4C 60Hz, 3PH, 25 AMP	7	6
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
38 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Cont, 900 to 900 A Inter	NONE	NONE
2	28 5 VDC, 200 AMP Cont, 900 to 900 A Inter	NONE	NONE
3	28 5 VDC, 200 AMP Cont, 900 to 900 A Inter	NONE	NONE
4	28 5 VDC, 200 AMP Cont, 900 to 900 A Inter	8	4
5	28 5 VDC, 200 AMP Cont, 900 to 900 A Inter	NONE	NONE

AIRCRAFT START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



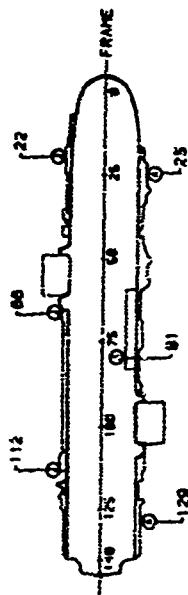
PLAN VIEW OF HANGAR DECK

LEGEND:
1. 131, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200
2. 131, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200
3. 131, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200
4. 131, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

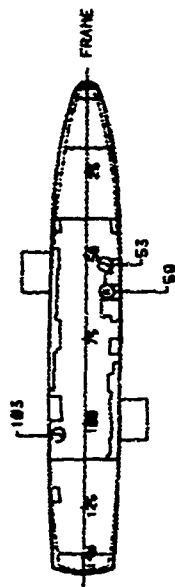
LPH-11 USS REV ORLEANS

AVIATION FUEL SERVICE			
AVIATION GASOLINE AND JP-5			
	34/245	JP-5	
1 CAPACITY GAL PER	26,623	429,128	
2 SERVICE OUTLETS	FLT OR 2 PER OR 1	FLT OR 4 PER OR 2	
3 HOSES PER OUTLET	1	2	
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	100/50	
a TWO OUTLETS OPERATING		100/50	
b FOUR OUTLETS OPERATING		N/A	
c SIX OUTLETS OPERATING		N/A	
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	50	
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25	
NOTES:			
1 1-1/4" HOSE AV/GAS, 1-1/2" HOSE JP-5			

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 (circle with dot) AV/GAS
 (circle with cross) JP-5

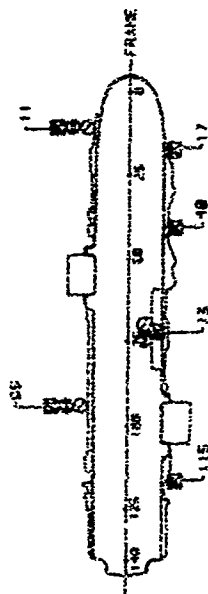
LPH-11 USS NEW ORLEANS

COMPRESSED AIR SERVICE SUMMARY

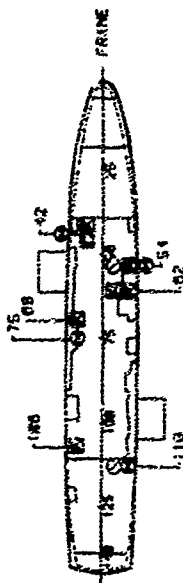
COMPRESSED AIR

LOW PRESSURE	FLT ON	WCR ON
1 SERVICE OUTLETS @ 100 PSI	0	7
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 800 PSI	3	2
HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @ 3000 PSI	3	4

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- LOW PRESSURE AIR, 150PSI
 - REDUCED PRESSURE AIR, 50PSI
 - REDUCED PRESSURE AIR, 30PSI

LPH-11 USS NEW ORLEANS

CATEGORY

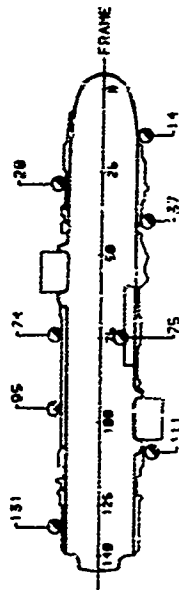
PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
N/A	Combat Readiness Station Service Summary	N/A
N/A	Combat Readiness Station Layout	N/A
N/A	Oxygen and Nitrogen Service Summary	N/A
N/A	Oxygen and Nitrogen Service Outlet Layout	N/A
N/A	Aircraft Inertial Alignment Outlet Box Summary	N/A
N/A	Aircraft Inertial Alignment Outlet Box Layout	N/A
N/A	Aircraft Cooling and Starting Air Outlet Summary	N/A
N/A	Aircraft Cooling and Starting Air Outlet Layout	N/A

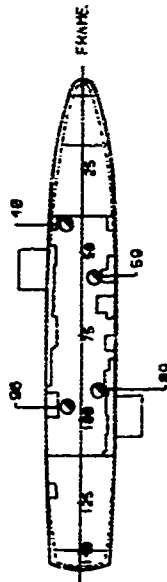
LATEST CHECK - AUGUST 1979

USS INCHON

AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

400HZ, 3PH, 115/200VAC, 30KVA, TYPE III

LPH-12 USS INCHON

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
	440 VAC SUPPORT EQUIPMENT SERVICE	FLT DR	HEB DR
1	440 VAC 60Hz, 3P1V, 25 AMP	7	0
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 800 AMP Cont, 800 to 900 A Inter	NONE	NONE
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 800 AMP cont, 800 to 1000 A Inter	0	3
5	28 5 VDC, 600 AMP Cont, 600 to 1000 A Inter	NONE	NONE

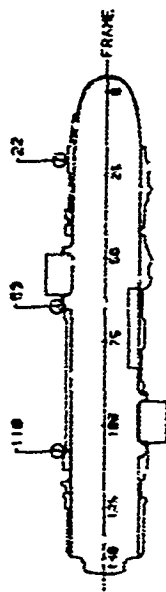
AVIATION FUEL SERVICE

JP-5

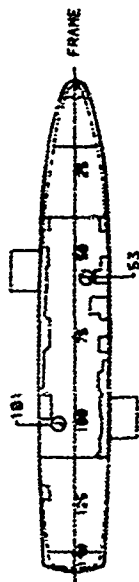
1	CAPACITY GAL. 95K	300,163
2	SERVICE OUTLETS	FLT DY A HAB OK 2
3	HOSES PER OUTLET	2
4	SERVICE OUTLET CAPACITY, GPM/PSI	NOTES 1 & 2 175/40
a	TWO OUTLETS OPERATING	175/40
b	FOUR OUTLETS OPERATING	175/40
c	SIX OUTLETS OPERATING	N/A
5	DEFUELING CAPACITY PER SERVICE OUTLET GPM	50
6	DEFUELING CAPACITY PER PORTABLE PUMP GPM	25

NOTES
1 JP-5 1-1/2" HOSE
2 PRESSURE REDUCED TO 20 PSI AT FR 22, FLT OK

AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
JP-5

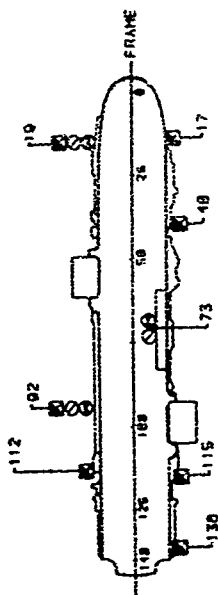
LPH-12 USS INCHON

COMPRESSED AIR SERVICE SUMMARY

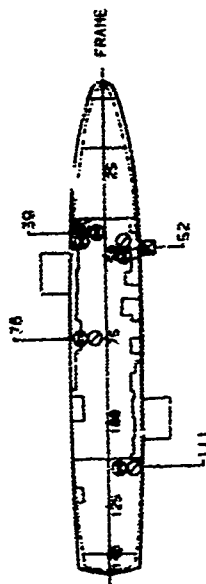
COMPRESSED AIR

LOW PRESSURE	FLT OK	MCR OK
1 SERVICE OUTLETS @ 150 PSI	7	2
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 300 PSI	3	6
2 SERVICE OUTLETS @ 900 PSI	3	3
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TYPE CHANGING AIR	NONE	NONE
1 SERVICE OUTLETS @		

COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- 112 LOW PRESSURE AIR, 150 PSI
- 102 REDUCED PRESSURE AIR, 800 PSI
- 110 REDUCED PRESSURE AIR, 300 PSI
- 111 REDUCED PRESSURE AIR, 300 PSI

LPH-12 USS INCHON

See previous Shipment Notice.

[illegible]